CONSTRUCTION NEWS

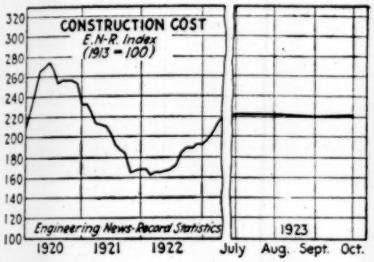
Engineering News-Record, November 8, 1923

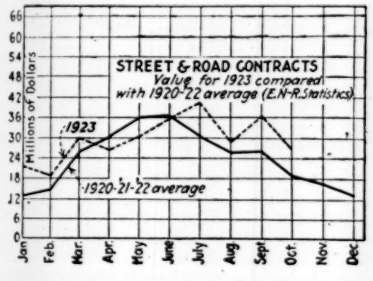
The Construction Barometer

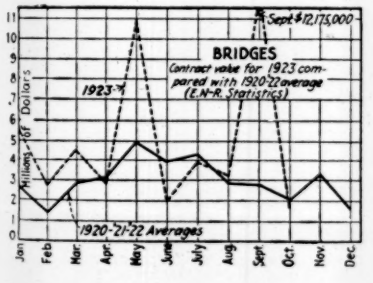
Construction Volume 132 *Compared with* 130 *in Ten Months of* 1922

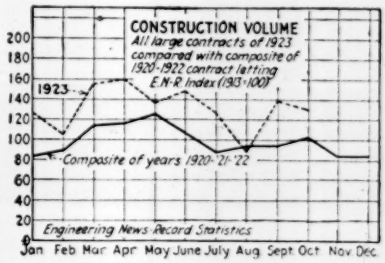
A FACT that may not be generally recognized but deserves serious consideration is that although the value of contracts awarded in the first ten months of this year is $330,000,000 greater than in the same period of 1922 the actual physical volume of construction is only 1½ [per cent] above last year. *Engineering News-Record's* Volume Index Number for the ten months of 1923 is 132, against 130 for the same period of 1922 and also for the whole of 1922. This is due entirely to high cost. The Cost Index is 214 for the ten months of 1923 and 173 for 1922.

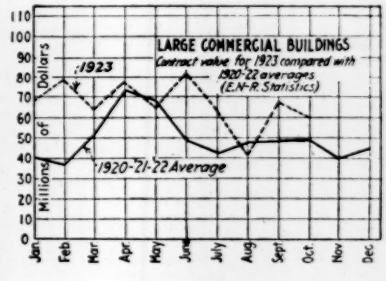
The sharp rise in industrial building, shown by the chart, is attributable to the $20,000,000 power plant at Kearny, N. J., for the Public Service Corporation. The difference in the September and October bridge contracts is due to four big September awards totaling $9,914,366.

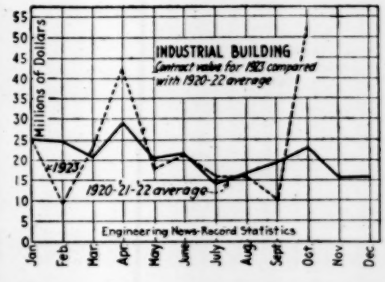












Engineering News-Record Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Oct. 18	$17,421,000	$44,487,000	$61,908,000
Oct. 25	8,452,000	16,583,000	25,035,000
Nov. 1	16,746,000	14,321,000	31,067,000
3 weeks	$42,619,000	$75,391,000	$118,010,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

Week Ended	Public No.	Public Work	Private No.	Private Work
Oct. 18	9	$1,844,000	35	$13,968,000
Oct. 25	6	1,721,000	24	9,184,000
Nov. 1	7	2,537,000	33	10,743,000
3 weeks	22	$6,102,000	92	$33,895,000

NUMBER OF LARGE JOBS NOW OUT FOR BIDS

Week Ended	Private	All	Public: Streets and Roads	Public: Waterworks and Sewers	Public: All Buildings
Oct. 18	26	144	32	34	33
Oct. 25	26	157	42	31	36
Nov. 1	32	146	39	27	26

PINE LUMBER TRIFLE EASIER—OTHER BASE PRICES FIRM

	Quoted on Nov. 8, at	Price was	On
Structurals, Pittsburgh,		$2.50	
burgh, 100 lb.	$2.50	@2.60	June 21
Cement, Chi., net bbl.	2.20	2.05	Feb. 1
Pine, N. Y., M.ft	61.00	62.00	Nov. 1
Fir, San Fran., M.ft	41.00	42.00	Sept. 27
Common labor, hr.	0.54	0.53	June 28

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Nov. 9	New York, N. Y.	Nov. 1
Nov. 13	Woodbury, N. J.	Nov. 1
Nov. 13	Clifton, N. J.	Nov. 1
Nov. 13	Hurley, Wis.	Nov. 8
Nov. 14	Baltimore, Md.	Nov. 8
Nov. 15	Chatham, N. J.	Nov. 1
Nov. 15	Cleveland, O.	Nov. 8
Nov. 16	Genoa Junction, Wis.	Nov. 8
Nov. 16	Crowley, La.	Nov. 8
Nov. 16	New York, N. Y.	Nov. 8
Dec. 5	Watertown, N. Y. Adv. Nov. 8.	Nov. 8
Dec. 12	Keyser, W. Va. Adv. Nov. 8.	Nov. 8
Dec. 23	New Holstein, Wis.	Oct. 11

SEWERS

Bids Close		See Eng. News-Record
Nov. 13	Winona, Minn.	Nov. 1
Nov. 13	Wash., D. C.	Nov. 1
Nov. 13	Long Island City, N. Y.	Nov. 8
Nov. 14	Dayton, O.	Nov. 8
Nov. 15	Cleveland, O.	Nov. 8
Nov. 16	Louisville, Ky.	Nov. 1
Nov. 19	Mamaroneck, N. Y. Adv. Nov. 8.	Nov. 8
Nov. 20	Ponchatoula, La. Adv. Oct. 25 to Nov. 8.	Oct. 25
Nov. 20	Bartlesville, Ark.	Nov. 1
Nov. 22	Chicago, Ill. Adv. Nov. 8.	Nov. 8
Dec. 10	New Orleans, La. Adv. Oct. 11 to Nov. 8	Oct. 11
Dec. 23	New Holstein, Wis.	Oct. 11

BRIDGES

Bids Close		See Eng. News-Record
Nov. 9	New Jersey	Oct. 25
Nov. 9	Winfield, Kan.	Nov. 1
Nov. 12	Jacksonville, Fla.	Oct. 25
Nov. 13	Utah	Nov. 8
Nov. 14	Spencer, Ia.	Nov. 1
Nov. 15	Society Hill, S. C. Adv. Nov. 1 and 8	Nov. 1
Nov. 16	North Bend, Pa.	Nov. 8
Nov. 16	Youngstown, O.	Nov. 8
Nov. 19	St. Paul, Minn.	Nov. 8
Nov. 20	Beaumont, Tex.	Nov. 8
Nov. 22	Prairie Siding, Ont.	Nov. 1
Nov. 26	Alabama	Oct. 25
Nov. 27	New Jersey	Nov. 1
Nov. 27	New Jersey Adv. Nov. 8.	Nov. 8
Nov. 30	Sydney, Australia	Apr. 19
Dec. 5	Salem, Mass. Adv. Nov. 1 and 8.	Nov. 8
May	Tientsen, North China	Oct. 11

Bids Close		See Eng. News-Record

RAILWAYS

Nov. 22	Michigan	Nov. 8
Mar. 18	New Zealand	Sept. 20

EXCAVATION, DRAINAGE IRRIGATION

Nov. 13	Clarksdale, Miss.	Nov. 8
Nov. 17	Sterling, Colo.	Nov. 8
Nov. 26	Jonesboro, Ark.	Nov. 8

STREETS AND ROADS

Nov. 9	Michigan	Nov. 8
Nov. 13	Alabama	Oct. 25
Nov. 13	Maryland Adv. Nov. 1 and 8	Nov. 1
Nov. 13	California	Nov. 1
Nov. 13	Michigan	Nov. 8
Nov. 13	Long Island City, N. Y.	Nov. 8
Nov. 13	St. George, N. Y.	Nov. 8
Nov. 13	New York, N. Y.	Nov. 8
Nov. 13	Ft. Worth, Tex.	Nov. 8
Nov. 13	Marlow, Okla.	Nov. 8
Nov. 13	Massachusetts	Nov. 8
Nov. 14	Ohio	Nov. 8
Nov. 14	Coleman, Tex.	Oct. 25
Nov. 14	Millville, N. J. Adv. Nov. 1 and 8	Nov. 1
Nov. 14	St. George, N. Y.	Nov. 8
Nov. 15	Little Rock, Ark.	Nov. 8
Nov. 15	Lewistown, Ill.	Nov. 8
Nov. 16	New York Adv. Nov. 1 and 8	Nov. 1
Nov. 16	St. George, N. Y.	Nov. 8
Nov. 16	New York, N. Y.	Nov. 8
Nov. 17	Tonawanda, N. Y. Adv. Nov. 1 and 8	Nov. 1
Nov. 19	Waco, Tex.	Nov. 1
Nov. 19	San Jose, Calif.	Nov. 8
Nov. 20	Massachusetts	Nov. 8
Nov. 22	Virginia Adv. Nov. 8.	Nov. 8
Nov. 22	Jasper, Tex.	Nov. 8
Nov. 23	Independence, Kan.	Nov. 8
Nov. 23	La Grange, Tex.	Nov. 8
Nov. 26	Alexandria, Ky.	Nov. 8
Nov. 26	Alabama	Nov. 1
Nov. 27	New Jersey Adv. Nov. 8.	Nov. 8

INDUSTRIAL WORK

Nov. 12	St. Paul, Minn.	Nov. 8
Nov. 15	Yonkers, N. Y.	Nov. 1

BUILDINGS

Nov. 10	Schenectady, N. Y.	Nov. 8
Nov. 10	Erie, Pa.	Nov. 8
Nov. 10	Boston, Mass.	Nov. 8
Nov. 12	Cincinnati, O.	Oct. 25
Nov. 12	Appleton, Wis.	Oct. 25
Nov. 12	Swissvale (Pittsburgh P. O.), Pa.	Nov. 8
Nov. 13	Brooklyn, N. Y.	Oct. 25
Nov. 14	Central Islip, N. Y. Adv. Nov. 1 and 8.	Nov. 1
Nov. 14	West Haverstraw, N. Y. Adv. Nov. 8.	Nov. 8
Nov. 15	St. Louis, Mo.	Nov. 1
Nov. 15	Grosse Pointe (Detroit P. O.), Mich.	Nov. 8
Nov. 18	Roxbury (Boston P. O.), Mass.	Nov. 8
Nov. 20	Hartford, Conn.	Nov. 1
Nov. 20	Dayton, O.	Nov. 8
Nov. 20	Virginia, Minn.	Nov. 8
Nov. 21	New Haven, Conn.	Nov. 8
Nov. 23	Sedalia, Mo.	Nov. 1
Nov. 24	Lakewood (Cleveland P. O.), O.	Nov. 8
Nov. 26	Galveston, Tex.	Nov. 1
Nov. 26	Huntington, W. Va.	Nov. 8
Nov. 26	Tucson, Ariz.	Nov. 8
Nov. 28	Middletown, N. Y. Adv. Oct. 25 to Nov. 8	Nov. 1
Nov. 28	Newark, Del. Adv. Nov. 8.	Nov. 8
Nov. 30	Maggie, W. Va.	Oct. 4
Dec. 1	Charleston, W. Va.	Oct. 25
Dec. 4	Brooklyn, N. Y. Adv. Nov. 8.	Nov. 8
Dec. 4	Louisville, Ky.	Nov. 8

FEDERAL GOVERNMENT WORK

Nov. 10	Breakwater—Indiana Harbor, Ind. Adv. Oct. 18 to Nov. 8.	Oct. 18
Nov. 14	Storehouse—Pearl Harbor, H. T.	Sept. 27
Nov. 14	Post Office—Carroll, Ia.	Oct. 18
Nov. 14	Fuel Oil Storage—Mare Island, Calif.	Oct. 25
Nov. 16	Quarters, etc.—Fort Benning, Ga. Adv. Oct. 25 to Nov. 8	Oct. 25
Nov. 20	Post Office—Central City, Neb.	Oct. 18
Nov. 20	Barges—Chicago, Ill. Adv. Oct. 25 to Nov. 8	Oct. 25
Nov. 21	Sewer—American Falls, Idaho	Oct. 25
Nov. 21	Post Office—Steubenville, O.	Oct. 25
Nov. 21	Dredging—Puget Sound, Wash.	Nov. 1
Nov. 23	Barges—Louisville, Ky. Adv. Oct. 25 to Nov. 8	Oct. 25
Nov. 23	Post Office—Ripon, Wis. Adv. Nov. 1 and 8.	Nov. 1
Nov. 23	Quarterboat—Huntington, W. Va.	Nov. 8
Nov. 24	Dredging—New York, N. Y. Adv. Oct. 25 to Nov. 8	Oct. 25
Nov. 26	Post Office—Mystic, Conn.	Nov. 1
Nov. 27	Barge—New Orleans, La. Adv. Nov. 1 and 8.	Nov. 1
Nov. 27	Water Supply System—American Falls, Idaho	Nov. 1
Nov. 27	Post Office—Gallipolis, O. Adv. Oct. 18 to Nov. 8	Nov. 1
Nov. 28	Quarters—San Juan, Porto Rico	Nov. 8
Nov. 28	Catamarans—Jacksonville, Fla. Adv. Nov. 8.	Nov. 8
Nov. 30	Dam—Quebradillas, P. R.	Sept. 27
Nov. 30	Dredging, etc.—New York, N. Y. Adv. Nov. 1 and 8	Nov. 1
Nov. 30	Post Office—Harrisonville, Mo. Adv. Nov. 8.	Nov. 8
Dec. 1	Steel Barges—Mobile, Ala. Oct. 25 to Nov. 8.	Oct. 25
Dec. 3	Barge and Hull—New Orleans, La. Adv. Nov. 8.	Nov. 8
Dec. 5	Post Office — Marianna, Ark. Adv. Nov. 8.	Nov. 8
Dec. 10	Towboat—Montgomery, Ala. Adv. Nov. 1 and 8	Nov. 8

UNCLASSIFIED

Nov. 9	Signal Tower—New York, N. Y.	Nov. 8
Nov. 12	Heating and Ventilating Apparatus, etc.—New York, N. Y.	Nov. 8
Nov. 13	Subway—New York, N. Y.	Nov. 1
Nov. 13	Gravel—Louisiana	Nov. 8
Nov. 13	Cement—New York, N. Y.	Nov. 8
Nov. 13	Crushing Plant—Owatonna, Minn.	Nov. 8
Nov. 15	Ferry Landing—New Orleans, La.	Oct. 18
Nov. 15	Paving Brick—Youngstown, O.	Nov. 8
Nov. 20	Sluice Gates—Exchequer, Calif.	Nov. 8
Nov. 21	Heating, Ventliating, Plumbing, etc.—Phila., Pa. Adv. Nov. 8.	Nov. 8
Nov. 26	Portland Cement—Los Angeles, Calif.	Oct. 18
Dec. 4	Dragline Machines—Greenville, Miss. Adv. Nov. 1 and 8	Nov. 1
Jan. 3	Aluminum Steel Cored Cable, etc.—Melbourne, Australia	Nov. 1
Jan. 19	Transformers, etc.—Melbourne, Australia	Oct. 18
Feb. 28	Headworks — Wellington, New Zealand	May 24
Mar. 31	Hopper Dredge — Brisbane, Queensland, Australia	Nov. 1

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Mass., Port Angeles—Having report made for waterworks. $500,000. Burns & McDonnell Eng. Co., 404 Marsh-Strong Bldg., Los Angeles, Calif., engrs.

N. Y., Batavia—Nov. 6, to vote on $30,000 bonds for purchasing and laying 180 tons c.i. pipe. F. E. Russell, city clk.

La., Bossier—Having plans prepared new water supply from Shreveport. $50,000. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

Ky., Paintsville—Plans $50,000 bond issue for waterworks.

Ia., Carlisle—Making plans waterworks. $22,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Ia., Wyoming—Voted $12,500 bonds for waterworks extension and $35,000 bonds for electric light plant. D. A. White, city clk.

Kan., Sublette—Voted $20,000 bonds for waterworks improvements.

Wyo., Casper—Plans complete new waterworks system. Black & Veatch, 701 Mutual Bldg., Kansas City, Mo., engrs. Noted Aug. 2.

Mo., Ava — Making plans waterworks, incl. rein.-con. reservoir, tower and distribution system. $30,000. Elston, Axon & Russell, 404 McDaniels Bldg., Springfield, engrs.

Mo., Farmington — Voted $175,000 bonds waterworks improvements. C. A. Haskins, 517 Finance Bldg., Kansas City, engr. Noted Oct. 18.

Mo., Festus—Nov. 27, to vote on $175,000 bonds waterworks, reservoir, stand pipe, distribution mains, storm and sanitary sewers. J. P. Davis, Jefferson City, engr. Noted Oct. 4.

Mo., Hannibal—Nov. 20 to vote on $400,000 bonds new pumps and motors, 26 in. main from pump house to reservoir, filtration plant, new mains in West Main and Oakwood Dists., South Hannibal pumping equipment, etc. D. H. Henry, 304 South Dearborn St., Chicago, engr. Noted Aug. 30.

Mo., Kahoka — Defeated $15,000 bonds for mains. W. B. Rollins & Co., Ry. Exch., Kansas City, engrs. Noted June 21.

Mo., Piedmont—Nov. 20 to vote on $40,000 bonds waterworks and distribution system. W. A. Fuller Co., Ry. Exch. Bldg., St. Louis, engrs. Noted Aug. 9.

Tex., Dallas—North Highland Water Dist. voted $20,000 bonds, mains, hydrants, etc. Myers & Noyes, Mercantile Bank Bldg., engrs. Noted Sept. 6.

Tex., Waco—Dec. 18, to vote on $75,000 bonds 6, 8 and 10 in. main extensions. V. G. Koch, city engr.

Okla., Canton—Voted $30,000 bonds for new water supply, well, pump, house, tank, tower and distribution system. 2,200 ft. 2 in., 7,100 ft. 4 in. and 1,600 ft. 6 in. c.i. pipe. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engr. Noted Dec. 28.

BIDS DESIRED

N. Y., New York—Nov. 16, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Edgewater and White Plains Rds., Coster and Longfellow Sts., Oak Point, Viele, Brinsmade, Calhoun, Miles, Quincy, Revere, Sampson, Swinton, Bolton, Bronx River, Cornell, Gildersleeve, Leland, O'Brien, Paterson, Thieriot, Underhill, Barkley, Lafayette, Quincy, Revere and Swinton Aves., Bronx Boro.

N. Y., Webb—Dec. 5, by Bd. Black River Regulating Dist., Light & Power Bldg., Pub. Sq., Watertown, constructing certain dams, spillways and other structures for enlarging Stillwater Reservoir on Beaver River, here. E. S. Cullings, secy.

Md., Baltimore—Nov. 14, by Bd. Awards, furnishing and delivering two 60 hp. motors and 2 centrifugal pumps. Material Contr. 31. $15,000. B. L. Crozier, highways engr.

W. Va., Keyser—Dec. 12, at office of City Clerk, 2 m.g. rapid sand filtration plant, etc. J. N. Chester Engineers, Union Bank Bldg., Pittsburgh, Pa., engrs.; adv. E. N.-R. Nov. 8. Noted Oct. 25.

Ga., Cordele—City taking bids 100 tons 6 in. c.i. water pipe, 15 or 20 fire hydrants and 8 or 10 valves. $10,000. C. D. Farrell, city mgr.

La., Crowley—Nov. 16, extending watermains and sewers, steel or concrete reservoir and pumps. $200,000. M. Mernard, Crowley, engr. Noted Sept. 20.

O., Cleveland—Nov. 15, 60 in. steel or c.i. mains, in Sect. N and S of Woodhill Rd. G. W. Hamlin, City Hall, engr.

O., Dayton—See "Sewers."

Wis., Genoa Junction—Nov. 16, by T. E. Watson, village clk., pumping station and reservoir. W. G. Kirchoffer, 22 North Carroll St., Madison, engr.

Wis., Hurley—Nov. 13, water purification plant and pumping station at Lake Lavinia. $34,000. Former bids rejected. J. Emunson, clk. Noted Oct. 18.

Wis., Marshfield—Layne—Bowler Chicago Co., 37 West Van Buren St., Chicago, taking bids 11,000 ft. 8-12 in. Class C c.i. pipe, to be laid 6 ft. under ground, here.

BIDS RECEIVED

N. Y., Buffalo—A. W. Kreinheder, comr. Pub. Wks., Municipal Bldg., venturi meters, rate controllers, operating tables, water level gages, chemical feed devices, sample pumps and chlorinators, with (a) c.i. wash water troughs (b) concrete wash water troughs, from Amer. Water Softener Co., Lehigh Ave. and 4th St., Phila., (a) $230,000; Pitt Constr. Co., Inc., Fulton Bldg., Pittsburgh, (b) $216,000. Noted Sept. 20.

O., Cleveland—For 130 x 790 ft. brick and concrete filtration plant, Baldwin Rd., from Stange Walsh Constr. Co., 2315 Fairmount Rd., $2,794,000 (16 months); 4 gate houses at Fairmount Reservoir, from Schrader Constr. Co., Euclid-46th St. Market Bldg., $53,313. Noted Oct. 4.

Minn., St. Cloud — Installing 21 blocks mains, from E. T. Webster, 437 Beacon Ave., St. Paul, $17,841. Noted May 17.

Waterworks (Continued)

Ore., Beaverton — Water system, incl. reservoir, pipe line from Bull Run, etc., from Inland Constr. Co., 330 Railway Exch. Bldg., Portland, $47,513.

CONTRACTS AWARDED

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Adee, Arnow and Bartow Aves., to Norton Eng. & Contg. Co., 510 West 159th St., $13,200; in Boyd, Bronxwood and Colden Aves., to Knight & DeMicco, 448 East Tremont Ave., $14,500. Noted Nov. 1.

N. Y., St. George—Bd. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Bennett, Clinton, and Dewey Aves, here, to Knight & DeMicco, 448 East Tremont Ave., New York, $15,400. Noted Nov. 1.

N. Y., Solvay (Syracuse P. O.) — See "Sewers."

Md., Baltimore—Bd. Awards, brass service pipe fittings for Water Dept., to H. Mueller Mfg. Co., 512 West Cerro Gordo St., Decatur, Ill., $15,739. Noted Nov. 1.

Fla., Crescent City—Bond Trustees, 40,000 gal. reservoir, to E. G. Ladd, 214 Bisbee Bldg., Jacksonville, $1,250; two 700 g.p.m. centrifugal pumps, to Fairbanks-Morse & Co., 630 West Bay St., Jacksonville, $26,250. Noted Sept. 6.

Mich., Menominee — Improving waterworks incl. lowering one intake, installing receiving pit on dock, etc., to Fluor Bros. Constr. Co., 48 Ottee St., Oshkosh, Wis. Engrs. est. $15,000.

Mo., Canton—Waterworks and sewers, to James & Anderson, Woodriver, Ill., $74,000. Engrs. est. $60,000. Noted Sept. 6.

Mo., Ridgeway — Waterworks, to O. C. Johnson, Iowa Falls, Ia., $40,420. Noted Sept. 27.

Wash., Yakima — Constructing concrete pipe line in 7th St., lining to be 2 in thick, 930 cu.yd. rein.-con., to Coluccio & Erickson, 1642 Lane St., Seattle, $50,677. Engrs. est. $55,000.

Sewers

PROPOSED WORK

N. Y., Albany—Opens bids about Dec. 15, 2 mi. rein.-con. trunk sewer from Holland Ave. to Whitehall Rd. $100,000. J. G. Brennan, City Hall, engr.

Pa., Erie—Will take new bids main interceptor from Mill Creek to Cranberry St. and Mill Creek Valley. $140,000. Former bids rejected. F. G. Lynch, city engr.

La., Bossier—Having plans prepared complete new sewerage system. $75,000. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

O., Cincinnati—Plans 400 ft. vitr. and 2,700 ft. 33-45 in. brick or concrete sewer in Marburg Ave. $55,850. F. Krug, City Hall, engr.

Kan., Kansas City—Fairfax D. D. having plans prepared and takes bids about Dec. 15, 5½-13 in. storm and sanitary sewers in various streets. Horner & Wyatt, 306 McMillian Bldg., Kansas City, Mo., engrs.

Kan., Kansas City—Plans to purchase 20 pumps for Kaw Valley D. D., pumps to force surplus water from sewers to rivers. S. H. McNeal, Kansas City, engr. $185,000.

Mo., Farmington — Voted $85,000 bonds storm and sanitary sewers, etc. C. A. Haskins, 517 Finance Bldg., Kansas City, engr. Noted Oct. 18.

Mo., Festus—See "Waterworks."

Mo., Kahoka — Defeated $60,000 bonds sewers and $18,000 for paving. W. B. Rollins & Co., Ry. Exch., Kansas City, engrs. Noted June 21.

Ark., Fayetteville—Plans sewerage district. $75,000. H. M. Hudgens, member bd.

Ark., Hot Springs—Making preliminary plans 24 in. sewer lines in various parts of city. $70,000.

Calif., Alhambra—Plans 52,956 lin.ft. 8 in. vitr. sewer, 1,491 house connections, 137 Manholes, etc. M. H. Irvine, city engr.

Calif., Glendale — Making preliminary plans sewer improvements. $1,500,000. Burns & McDonnell, 404 Marsh-Strong Bldg., Los Angeles, engrs. Noted Oct. 18.

Calif., San Jose—Voted $400,000 bonds for extensions and additions to sewerage system. W. Popp, city engr. Noted Sept. 20.

Que., Montreal East—Soon takes bids brick sewers in various streets. $42,000. L. Hurtelbuise, Town Hall, engr.

Ont., London—Having plans prepared extending sewers. $200,000. W. P. Near, city engr.

BIDS DESIRED

N. Y., Long Island City—Nov. 13, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sanitary sewers in Garrison and Furman Aves., Owens, Grand, Milton and Creek Sts.

N. Y., Mamaroneck—Nov. 19, by Bd. Sewer Comns. of Sewer Dist. 1, Edgewood Rd., sewerage system. Contr. 6. H. R. Mitchell, secy.; adv. E. N.-R. Nov. 8.

La., Crowley—See "Waterworks."

O., Cleveland—Nov. 15, sewers in Carnegie Ave. To exceed $25,000. R. Hoffman, City Hall, engr.

O., Dayton—Nov. 14, by Montgomery Co., 2,200 lin.ft. 8 in. vitr. sewers, and 1,530 lin. ft 6 in. c.i. mains in Mt. Auburn Sanitary Sewer Dist. 2. $25,000. K. B. Allen, Keith Bldg., engr.

Ill., Chicago—Nov. 22, by W. E. Wallace, clk. Sanitary Dist. of Chicago, 910 South Michigan Ave., for Calumet Intercepting Sewer, Contr. 1 and 95th St. Sewage Pumping Station. W. O. Nance, chn.; adv. E. N.-R. Nov. 8.

Minn., St. Paul—See "Bridges."

BIDS RECEIVED

N. Y., New York—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., sewers in West 176th and West 180th Sts., from Spedero & Turriamo, 3185 East Tremont Ave., $24,489 and $2,379 respectively; Davidson Ave., from M. Del Balso, 660 East 221st St., $1,298. Noted Oct. 25 under "Streets and Roads."

Mich., Detroit—Constructing vitr. crock and brick lateral sewers, from W. Blank & Co., 827 Ford Bldg., Lateral 3966 $18,000, Lateral 4023 $7,079, Lateral 4027 $8,415, Lateral 4028 $6,000, Lateral 4029 $3,436, Lateral 4030 $3,682.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, 2,000 ft. 10-15 in. vitr. clay and 4,175 ft. 48 in. segmental block sewer in Oakland Ave., from Martin & Riley, Title Guaranty Bldg., $35,252. Engrs. est. $40,000. Noted Oct. 4.

Tex., Ft. Worth—Riverside sewers, from McKenzie Constr. Co., Riverside, $27,106. Noted Oct. 11.

CONTRACTS AWARDED

N. Y., Solvay (Syracuse P. O.)—For 1.1 mi. sewer and water extensions, to C. Bonn, Solvay, $27,000. Engrs. est. $28,000.

N. Y., Syracuse—Equipment and machinery for disposal plant, to Roberts Filter Co., Darby, Pa., $76,000. Engrs. est. $75,000.

N. J., Asbury Park—For 5,485 ft. vitr. sewer in Comstock St., and 4,470 lin.ft. vitr. storm drain in Wesley Lake vicinity, to Mercer Constr. Co., Marcy St., Freehold, $67,647. Noted Nov. 1.

Pa., Wilkes-Barre—Brick storm sewers in Bowman, Skidder and Scott Sts., to B. G. Coon Constr. Co., Wilkes-Barre, $49,282.

Fla., Leesburg—For about 2 mi. 8 in. sewer extensions and 1 mi. 4 in. house connections, to F. W. Long & Co., Stockton St., Jacksonville, $24,000. Noted Sept. 13.

Ky., Ashland—See "Streets and Roads."

Ia., Des Moines—For Southwest Sewerage System, 43,806 lin.ft. 10-24 in. pipe sewer, 28,100 lin.ft. 27-48 in. circular sewer, 1 dry weather outfall complete, 1 inverted siphon, etc., complete, to G. G. Herrick, 607 Observatory Bldg., $626,909. Noted Oct. 25.

Mo., Canton—See "Waterworks."

Mo., Ridgeway—Sewerage system, Imhoff tank, filter and dosing chamber, to O. C. Johnson, Iowa Falls, Ia., $36,509. Noted Sept. 27.

Mo., St. Joseph—For 3,136 ft. rein.-con. double box, and 2,186 ft. 9 x 9 ft. concrete box sewer for Browns Branch, to Owings & Shofner, Atchison, Kan., $211,226. Noted Oct. 18.

Tex., Dallas—For 18 in. sanitary sewer from Oak Cliff interceptor to Beckley Ave., to W. G. Cullum, Central Bank Bldg., $2.30 per ft. To exceed $25,000.

Ont., Sandwich—Partington Ave. sewer, to Webster Constr. Co., Bank of Toronto Bldg., London, $30,000. Noted Sept. 13.

Bridges

PROPOSED WORK

N. Y., Jamestown—Plans concrete or steel bridge, West 3rd St. $450,000. Election soon to vote on bonds. L. A. Bergman, City Hall, engr.

Tennessee — Tennessee Dept. Hys. & Pub. Wks., Nashville, rejected bids bridge over Roaring River, Federal Aid Project 135. Will readvertise later. $55,000. J. G. Creveling, comr. Noted Oct. 4.

Tennessee—Dept. Hys. and Pub. Wks., Nashville, having surveys made for bridge over Hatchie River near Brownsville on Memphis-Bristol Highway, Haywood Co. J. G. Creveling, comr.

Tenn., Kingston—Roane Co. voted $40,000 bonds for bridges over Emory River and Popular Creek near Oliver Springs, probably steel. Engineer not selected.

Wis., Milwaukee—Park Bd., City Hall, rejected bids concrete piling for Mason St. viaduct over Chicago & North Western Ry. tracks. Will readvertise for wood and concrete piling. Total cost $400,000. Clas, Shepherd & Clas, 445 Milwaukee St., engrs. Noted Sept. 27.

Missouri—State Hy. Dept., Jefferson City, plans three 20 ft. rein.-con. slab spans, 20 ft. roadway, etc., over stream, Federal and State Project 230 C, Route 2, also one 180 ft. and two 80 ft. steel truss spans, 2 rein.-con., piers, 20 ft. roadway, etc., over Lamine River, and one 60 ft. steel truss span, etc., over stream, Federal and State Project 230 B, Route 2, all in Cooper Co. B. H. Piepmeier, state highway engr.

Mo., Kansas City — Plans bridge over Blue River on Independence Rd. $100,000. W. Waddell, 800 Graphic Arts Bldg., engr.

Tex., Corpus Christi—Corpus Christi Port Comn. making plans structural steel bascule bridge, 110 ft. main span with 75 ft. approach spans, concrete piers and abutments, 30 ft. roadway, also street railway track on bridge. Adams & Adams, Campau Bldg., Detroit, Mich., engrs.

Tex., Georgetown — See "Streets and Roads."

Okla., Oklahoma City — Oklahoma Co., election Nov. 30, to vote on $600,000 bond issue for 1,400 ft. (10 span) steel and concrete bridge on Walker St. R. S. James, Court House, engr.

Calif., San Jose—Voted $150,000 bonds for bridges. W. Popp, city engr. Noted Sept. 20.

BIDS DESIRED

Mass., Haverhill—Dec. 5, by Haverhill Lower Bridge Rebuilding Comn., Court House, Salem, steel channel span, in new Haverhill Lower Bridge, over Merrimack River on Main St., here. R. R. Evans, engr.; adv. E. N.-R. Nov. 8. Noted July 12.

New Jersey—Nov. 27, by State Hy. Dept., Trenton, 40 ft. 6 in. single leaf bascule span, incl. concrete pier, removing present concrete bridge, etc., over Bass River M. P. 13.9, State Highway Route 4, in Bass River, Burlington Co.; 15 ft. widening of seven 85 ft. arch, two 65 ft. deck plate girder and one 60 ft. bascule spans, etc., over Raritan River, M.P. 31.4, Route 1, Sect. 13, in New Brunswick and Highland Park, Middlesex Co. Former bids rejected. J. L. Vogel, 772 Broad St., Newark, bridge engr.; adv. E. N.-R. Nov. 8. Noted Nov. 1.

Pa., North Bend — Nov. 16, by Comrs. Clinton Co. (Lock Haven), 145 ft. (3 span), rein.-con. girder bridge over Young Womans Creek, here. M. C. Krause, Susquehanna Trust Bldg., Williamsport, engr.

Virginia—See 'Streets and Roads."

Ohio—See "Streets and Roads."

O., Youngstown—Nov. 16, by P. J. Carney, dir. Pub. Serv., 500 ft. concrete and steel bridge, Belmont Ave. $150,000. I. Turner, city engr.

Minn., St. Paul—Nov. 19, by G. J. Reis, aud. Ramsey Co., constructing Pier No. 1 of new Robert St. bridge over Mississippi River and outfall for Robert St. sewer (Bridge to be 500 ft. long, 76 ft. wide, steel and concrete), for Ramsey Co. and City of St. Paul. Total $1,500,000. Toltz, King & Day, 1410 Pioneer Bldg., engrs. Noted July 28, 1921.

Tex., Beaumont—Nov. 20, by B. B. Johnson, judge Jefferson Co. bridge over Neches River, State Highway 3, will have 240 ft. steel swing span, rein.-con. main pier, 2 rest piers, 2,644 ft. cresoted pile trestle, 390 ft. earth approach, 1 rein.-con. approach span, overall 3,400 ft., involving 24,595 tons reinforcing steel, 1,033 cu.yd. concrete, etc. $275,000. A. C. Lane, co. engr. Noted Aug. 23.

Tex., Jasper—See "Streets and Roads."

Utah—Nov. 13, by State Rd. Comn., Salt Lake City, 144 ft. steel bridge, concrete abutments and earth-filled approaches, known as Weber River Bridge 367 or Riverdale Viaduct. H. C. Means, ch. engr.

BIDS RECEIVED

Alabama—State Hy. Dept., Montgomery, superstructure 4 span bridge, pivot draw-span on center pier, concrete approaches, 5 concrete piers, at Reese Ferry over Alabama River, from Koss Constr. Co.,

Bridges (Continued)

2818 5th St., Des Moines, Ia., $249,985; substructure, creosoted timber approaches, from Hardaway Constr. Co., Columbus, Ga., $204,457.

Tex., Centerville—Leon Co., 1,370 ft. timber pile trestles with 8,160 ft. earth approaches over Keechi, Beaver and Boggy Creeks, 6,644 lin.ft. treated wooden piling, 38,013 cu.yd. borrow excav., from W. L. Sanders, Cooledge, $37,613, alternate $33,859. Engrs. est. $34,500. Noted Oct. 4.

Tex., Palo Pinto — See "Streets and Roads."

CONTRACTS AWARDED

W. Va., Williamson — Mingo Co., substructures for 2 bridges over Guyandot River, at Justice and Gilbert, to Karr & Shuitt, Westmoreland. Engrs. est. in excess of $25,000.

Alabama — States of Alamaba (Montgomery) and Georgia (Atlanta) rejected bids concrete piers and approaches to bridge over Chattahoochee River. Work will be done by State Hy. Dept. of Alabama, Montgomery, under supervision. L. S. Smith, bridge engr. This corrects report in Nov. 1 issue.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, 3 rein.-con. bridges and 1 steel bridge between Waynesboro and Lawrence Co. line, Federal Aid Project 99, Wayne Co., also rein.-con. substructure for bridge on Manchester Pike, Rutherford Co., to J. B. Ramsey, Woodbury. $55,822 and $5,787 respectively. Noted July 19.

Oregon—State Hy. Dept., Salem, Bridge 1000 over Snake River, on Old Oregon Trail, Malheur Co., to Portland Bridge Co., Yeon Bldg., Portland, $134,295.

Dams

PROPOSED WORK

Wis., Elcho—See "Industrial Works."

BIDS DESIRED

N. Y., Webb—See "Waterworks."

Railways

BIDS DESIRED

Michigan—Nov. 22, by Dept. Purchases & Supplies, 700 Marquette Bldg., Detroit, special work and rail for lines on Beaubien, Baker and Fort Sts., Grand River, Trumbull, Toledo, Scotten and Clark Aves., in Detroit, for Dept. Street Rys., St. Jean and Shoemaker Aves., Detroit.

Oregon—Southern Pacific RJR. Co., Southern Pacific Bldg., San Francisco, Calif., receiving bids Natron Cutoff from Kirk, Ore., to point 42 mi. North, incl. 3,300 lin.ft. tunnel. G. W. Boschke, ch. engr.

Excavation, Drainage and Irrigation

PROPOSED WORK

Florida—See "Streets and Roads."

BIDS DESIRED

Ark., Jonesboro—Nov. 26, by Comrs. D.D. 85, Craighead Co., c/o Cobb & Lee, engrs., Amer. Trust Bldg., 560,000 cu.yd. earth floating dredge and 218,000 cu.yd. dragline work.

Colo., Sterling—Nov. 17, by L. A. Whittier, secy. Pioneer D. D. of Logan Co. 5 mi. open drainage ditch; adv. E. N.-R. Nov. 8.

CONTRACTS AWARDED

N. C., Roanoke Rapids—See "Industrial Work."

Ia., Corydon—Wayne Co., 18.5 mi. channel for Charlton River D.D., 629,000 cu.yd. excav., etc., to Briggs & Drew, 925 City Natl. Bank Bldg., Omaha, Nev. Noted Sept. 27.

Tex., Harlingen—Hidalgo Water Impvt. Dist. 1, 8 mi. canal dredging, to J. Ballinger, San Benito, $0.14 per cu.yd. Noted Oct. 11.

Calif., Yuba City—Recl. Dist. 1660, Sutter Co., 1,000,000 cu.yd. earthwork, interior drainage and irrigation canals, to Callahan Constr. Co., Detwiler Bldg., Los Angeles, $0.139. Noted Nov. 1.

Streets and Roads

PROPOSED WORK

W. Va., Buckhannon—Plans to issue $35,000 bonds paving various streets.

N. C., Fayetteville—Making plans hard surfacing, curbing and guttering 80,000 sq.yd. various streets. $350,000. W. C. Olsen, Kinston, engr.

Florida — State Rd. Dept., Tallahassee, plans grubbing, grading, rock base, etc., Project 40 E, Brevard Co., Project 544 A, Pasco Co., and Project 604, Volusia Co.; grubbing, grading and mari surfacing Project 576, Sarasota Co.; grubbing, grading and sand clay surfacing Project 571, Nassau Co.; grading, surfacing with concrete, rock base, or bituminous concrete (Topeka type) Project 521, Nassau Co.; rock base Project 544, Pasco Co.; 21 mi. ditching and rock shoulders on Project 605, Pope Co.; dredging embankment for bridge across Escambia River, Project 38 A, Escambia Co. J. L. Cresap, state highway engr.

Fla., Wauchula—Hardee Co. election Nov. 27, to vote on $27,000 bonds paving 3 mi. road from Gardner easterly; $36,000 bonds 4 mi. Buchanan-Sweetwater Rd.; $27,000 bonds road from Stevens Mill to Yankeetown and Zolfo River bridge west; $31,500 bonds roads 1 mi. east of Moffits and from Peace River via Bonds Corner to Papach School House; $73,000 bonds Zolfo-Crewsville Rd.; $105,500 bonds 12.75 mi. Ona Station-Lilly Rd.; $36,000 bonds road 2 mi. west from Carrollton Corner and 2 mi. south from Williams Corner; $107,000 bonds road through Bowling Green to Ft. Green Springs; $27,000 bonds road 2 mi. east from Wauchula and from Griffin Pl. to Zolfo; $330,000 bonds Ona-Highland Co. line Rd., all 9 and 15 ft. wide. Engineer not selected.

Ala., Birmingham—City Comn. takes bids about Dec. 1, paving north side 8th Ave. from here to Ensley, 3 mi. long, 20 ft. wide, 2 in. asphalt on 5 in. concrete. A. J. Hawkins, city engr.

Tennessee—State Dept. Hys. & Pub. Wks., Nashville, will concrete surface 8.25 mi. road from Knoxville Co. line to Marysville, Blount Co. Will mature in spring. J. G. Creveling, highway comr.

Ky., Louisville — Plans reconstructing with macadam Rowan and 32nd Sts. $25,000. A. A. Krieger, city engr.

O., Cleveland — Plans weather proofing Cranwood race track, cinders and sand on crushed stone. $25,000. J. S. Coates, South St., Goshen, N. Y., engr.

O., Cleveland—E. L. Schueren, 401 Swetland Bldg., plans paving, laying sewers and mains in East 86th St. $50,000. C. W. Courtney, 509 Leader-News Bldg., engr.

Wis., Green Bay — Brown Co. making plans improving 3.7 mi. East De Pere Rd. between here and De Pere, one course concrete boulevard, double street car tracks down center, 18 ft. wide, on each side of center plot. $220,000. O. C. Rollman, div. engr. Wisconsin Hy. Comn., Green Bay, engr.

Ia., Jefferson—Auditor Greene Co. takes bids about Nov. 15, paving and incidental work on approximately 18 mi. Lincoln Highway. $500,000. Iowa Hy. Comn., Ames, engrs. Noted Nov. 1.

Missouri—State Hy. Dept., Jefferson City, plans concrete paving 46,058 sq.yd. Federal Aid Project 144 C, Route 2, Callaway Co.; grading Federal and State Project 236 C, Route 2, Warren Co., 57,330 cu.yd. earth, 2,703 cu.yd. solid and 2,703 cu.yd. loose rock excav., etc., Federal and State Project 236 B, Route 2, 34,644 cu.yd. earth, 1,176 cu.yd. loose and 1,079 cu.yd. solid rock excav. B. H. Piepmeier, state highway engr.

Mo., Kahoka—See "Sewers."

Tex., Abilene—Taylor Co. making plans improving highways, east, west, north and south. $350,000 bonds voted. $656,000 granted by State and Federal Government. Noted Sept. 27.

Tex., Anderson—Grimes Co. voted $150,000 bonds, grading and gravel surfacing in Plantersville Dist. 5. $150,000. R. M. West, co, judge.

Tex., Carthage—Panola Co. voted $225,000 bonds improving roads in Carthage Precinct, State Highway 8 and laterals. Titus & Dillon, Center, engrs. Noted Oct. 18.

Tex., Cleburne—Plans paving Main St. entire length of city, various types, to exceed $50,000. R. C. Whiteaker, city engr.

Tex., Del Rio—Val Verde Co. soon takes bids grading and gravel surfacing 12.74 mi. Sonora Rd., 16 ft. $93,850. G. M. Jowers, co. engr.

Tex., El Paso—El Paso Co. election Nov. 17, to vote on $1,260,000 bonds, paving State highways and lateral county roads. L. A. White, co. engr.

Tex., Floresville—Wilson Co. soon takes bids hard surfacing road from Saspamco to point 2 mi. south of here. $300,000. L. W. S. Mantel, Alice, engr.

Tex., Ft. Worth — Had plans prepared paving 8 blocks Wabash, Lilac, Chambers, Tennessee, Terrell and North Houston Sts., 40 ft. average, bituminous or brick. D. L. Lewis, city engr.

Tex., Georgetown—Williamson Co. election Dec. 4, to vote on $300,000 bonds, grading, gravel and bituminous macadam surfacing and bridging in Taylor Precinct. R. A. Nichols, co. engr.

Tex., Houston—Making plans paving Dowling St., bituminous or brick. $25,000. J. C. McVea, city engr.

Tex., Madisonville — Madison Co. voted $300,000 bonds gravel and bituminous surfacing Highway 21 and laterals. T. Ferguson, co. judge. Noted Oct. 18.

Tex., Taylor—Williamson Co. plans election to vote on $300,000 bonds, improvement and maintenance of roads in Taylor Rd. Dist. R. A. Nichols, co. engr.

Tex., Vernon—Wilbarger Co. election Nov. 24, to vote on $600,000 bonds for concrete and gravel surfacing Colorado to Gulf Highway, Lee Highway and laterals. J. Nabors, co. engr.

Tex., Waco — Making plans paving 12 blocks West and Vermont Sts., 2 in. bitulithic on 5 in. base, or 6 in. concrete. $40,000. V. G. Koch, city engr.

Tex., Wichita Falls—Plans paving 8th, Austin, Harrison and 7th Sts., brick, concrete or bituminous, to exceed $25,000. F. M. Rugely, city engr.

Okla., Cushing—Plans grading and paving Noble, Walnut, Maple and 2nd Sts., 9,100 sq.yd. concrete, 2,700 cu.yd. excav., etc., $38,500. O. E. Bloch, Cushing, engr. Noted this issue.

Okla., Durant—Plans grading and paving 4th and 9th Sts., 5,800 sq.yd. concrete, 2,300 ft. curbing, etc. $25,000. L. V. Stinson, Durant, engr.

Okla., Oklahoma City—Preparing plans widening Robinson Ave. 4,000 sq.yd. asphalt, 9,000 lin.ft. concrete curbing, 500 cu.yd. earth and 2,500 cu.yd. rock excav. $38,000. B. M. Hart, city engr.

Okla., Sapulpa—Creek Co. making plans paving 43 mi. roads, 450,000 sq.yd. concrete. $750,000. Election during winter to vote on bonds. F. L. Simmons, Capitol Bldg., Oklahoma City, engr.

Wash., Tacoma—Plans paving and grading roadway between north and south ends of city. $300,000. C. E. Putnam, city engr.

California—State Hy. Dept., Sacramento, making plans 10 mi. grading and concrete paving, 20 ft., also 10-11 mi. grading and gravel surfacing, 30 ft., both average 30,000 cu.yd. excav. to mile, Shasta Co.; grading and gravel surfacing 6.5 mi. extension to Half Moon Bay Rd., approximately 25,000-30,000 cu.yd. excav. to mile, San Mateo Co. R. M. Morton, state highway engr.

Calif., Bakersfield—Plans made grading, curbing, paving, etc., portions of 20th, 21st and R Sts., 220,375 sq.ft. grading, 220,375 sq.ft. 1½ in. warrenite bitulithic on 3½ in. asphaltic concrete, 11,829 sq.ft. concrete gutter, 7,583 lin.ft. concrete curb, etc. To exceed $50,000.

Calif., Fresno — Making plans paving ½ mi. Lewis Ave. and ½ mi. Palm Ave., both 36 ft. W. Stranahan, city engr.

Calif., Oakland—Plans grading and paving East 18th St., 13,436 sq.ft. grading 7,107 sq.ft. oil macadam pavement, etc.; 12th St., 94,797 sq.ft. grading, 3,538 ft. concrete curb, without guard, 671 ft. concrete curb with guard, 5,161 sq.ft. concrete gutter, 89,636 sq.ft. 2 in. warrenite on 6 in. concrete, etc.

Calif., San Diego—Plans paving, building sewers, etc., in Ft. Stockton Dr., Falcon and Lewis Sts., 12,599 sq.yd. 1½ in. wearing surface on 2½ in. asphaltic concrete, 3,308 sq.yd. cement sidewalk, 912 lin.ft. cement curbing, etc. F. A. Rhodes, city engr.

Calif., San Francisco—Had plans prepared grading and concrete paving Silver Ave. between Merrill and Vienna Sts., 7,000 cu.yd. excav., 10,269 sq.ft. concrete pavement, etc. To exceed $35,000. M. M. O'Shaughnessy, city engr.

BIDS DESIRED

Massachusetts—Nov. 13, by State Highway Comn., Boston, bituminous macadam paving 6,600 ft. highway, 20-25 ft., in Revere. To exceed $42,000. W. F. Williams, state highway comr.

Massachusetts — Nov. 20, by State Hy. Comn., Boston, rein.-con. paving 3,600 ft. highway, 20-30 ft., in Swansea. To exceed $75,000. W. F. Williams, state highway comr.

N. Y., Long Island City—Nov. 13, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., paving Buckley St., etc.,

Streets and Roads (Continued)

granite block, 102nd St., sheet asphalt; grading, etc., Coffrey Ave.; grading, curbing, recurbing, etc., 102nd St.

N. Y., New York—Nov. 13, by J. Miller, pres. Manhattan Boro, Municipal Bldg., grading, regrading, curbing, recurbing, flagging and reflagging West 165th St.; repaving Riverside Dr., stone filled sheet asphalt on concrete.

N. Y., New York—Nov. 16, by J. Miller, pres. Manhattan Boro, Municipal Bldg., curbing, recurbing, flagging, reflagging and paving West 155th St. and 7th Ave., granite block on concrete.

N. Y., St. George — Nov. 13, by J. A. Lynch, pres. Richmond Boro, Boro Hall, repaving Richmond Turnpike, granite block, also filling in Lot 6, Plot 7, Ward 4, Egbert Ave.

N. Y., St. George—Nov. 14, by J. A. Lynch, pres. Richmond Boro, Boro Hall, concrete repaving Center and Moore Sts.

N. Y., St. George—Nov. 16, by J. A. Lynch, pres. Richmond Boro, Boro Hall, paving Gifford Lane, bituminous macadam.

New Jersey — Nov. 27, by State Hy. Comn., Trenton, rein.-con. paving Route 15, Sect. 5, Millville to Menantico Creek, Cumberland Co. A. L. Grover, secy.; adv. E. N.-R. Nov. 8.

Virginia—Nov. 22, at office State Hy. Dept., Richmond, grading, etc. 2.5 mi. Project F 140 B-C, Augusta Co., 3 mi. Project S 143 C, Bedford Co., 4.6 mi. Project S 245 Wise Co., 2 mi. Project S 327, Russell Co.; graveling 2.99 mi. Project F 166 A, King William and Hanover Counties, 13.51 mi. Project S 326 A B, Norfolk Co.; concrete road 4.89 mi. Project F 166 C, Hanover Co., 0.81 mi. Project S 335, streets in Victoria, Lunenburg Co., state to furnish cement on both projects; bituminous macadam road 2.4 mi. Project S 317, Mecklenburg Co.; 326 ft. rein.-con. bridge Project S 189 A, Alleghany Co., one 25 ft. concrete beam span bridge Project S 191, Nansemond Co. H. G. Shirley, highway comr.; adv. E. N.-R. Nov. 8.

Ky., Alexandria—Nov. 26, by Secretary Campbell Co. Road Comn., American Natl. Bank Bldg., Newport, paving road from here to Persimmon Grove, concrete or macadam. $25,000.

Ohio—Nov. 14, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 41.972 mi. roads in Athens, Columbiana, Cuyahoga, Defiance, Hamilton, Highland, Lawrence, Perry, Tuscarawas and Van Wert Counties; various materials; grading 9.185 mi. roads in Meigs, Washington and Williams Counties; concrete bridge in Jackson Co. A. V. Donaheys, dir. highways.

Michigan—Nov. 13, by State Hy. Dept., Lansing, grading and surfacing 8.91 mi. Federal Aid Project 87, Wayne Co., 104,901 sq.yd. concrete. F. F. Rogers, state comr.

Ill., Lewistown—Nov. 15, by Bd. Local Impvts., paving North Bway., 5,583 sq.yd. vitr. brick on 4 in. concrete and 1 in. sand, etc., $25,000. W. A. Fuller Co., 1917 Ry. Exch., St. Louis, Mo., engrs.

Kan., Independence — Nov. 23, by Clerk Montgomery Co., grading and bituminous macadam surfacing 5.141 mi. Federal Aid Projest 121, Sect. C, 18 ft. Former bids rejected. H. K. Hibbard, co. engr. Noted Oct. 18.

Ark., Little Rock — Nov. 15, by City Comrs., 602 Boyle Bldg., improving Dist. 356, incl. asphalt paving 2nd St., also Cumberland Sts., from Markham to Burd Sts.; asphalt on concrete, Rock, Byrd, Commerce, Ferry, Sherman, Collins and Cumberland St., from 3rd to 4th Sts.; repaving with asphalt Rector St. $100,000. G. D. Douglass, 610 West 14th St., engr.

Tex., Ft. Worth—Nov. 13, by City Com. paving, etc., Helen, Cockrell, Ballinger, Hillcrest, Eastern and Edwin Sts., 23,150 sq.yd. bitulithic, rock asphalt, 3 in. brick or amlesite, 5,550 ft. curb and gutter, 4,630 cu.yd. excav. $75,000. D. L. Lewis, city engr.

Tex., Jasper—Nov. 22, by A. L. Hancock, judge Jasper Co., gravel surfacing 4.24 mi. State Highway 63, State Aid Project 93, 12 ft., $33,618; gravel surfacing and timber pile trestle bridges on 6.4 mi. State Highway 63, Federal Aid Project 82, 12 ft., $91,870; gravel on both to be furnished by county. C. P. Hunter, co. engr.

Tex., La Grange — Nov. 23, by J. P. Ehlinger, judge Fayette Co., grading and gravel surfacing 5.84 mi. State Highway 3 B, Federal Aid Project 285, 18 ft., 15,571 cu.yd. gravel to be furnished by county. $99,822. C. A. Schlafli, co. engr.

Okla., Marlow—Nov. 13, by G. L. Orr, city clk., widening and paving Bway., 14,340 sq.yd. 2 in. asphaltic concrete on 6 in. base, 9,800 lin.ft .curbing, 5,000 cu.yd. earth and 120 cu.yd. rock excav. $73,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Calif., San Jose—Nov. 19, by Supervs. Santa Clara Co., paving Santa Clara and Los Gatos Rd., 281,956 sq.ft. cement concrete, asphaltic concrete or oil macadam; Santa Cruz Ave. in Los Gatos, 52,513 sq.ft. concrete.

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing, laying sidewalks, etc., on 101st (Jerome) Ave., from Sicilian Asphalt Paving Co., 41 Park Row, New York, $110,020. Noted Oct. 25.

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., grading, curbing, laying sidewalks, etc., on Davidson Ave., from C. D. Beckwith, Inc., 2875 Bway., $15,485, West 195th St., from F. Hanratty, 605 Beach Terrace, $8,447; grading, building inlets, basins and drains in Colden Ave., from I. F. Cavaluzzo, 1538 Walton Ave., $23,317; 25,000 gal. road surfacing material, from Barrett Co., 17 Battery Pl., $4,125. Noted Oct. 25.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., repaving 49th St., sheet asphalt, from W. J. Fitzgerald, 547 West 45th St., $20,110, Tiemann Pl., sheet asphalt, from Brusstar Constr. Co., Harlem River and 150th St., $10,089, Dyckman St., granite block, from Asphalt Constr. Co., 208 Bway., $52,248; widening and repaving 56th St., sheet asphalt, from Cleveland Trinidad Paving Co., Flushing, $28,322, 60th St., sheet asphalt, from Sicilian Asphalt Paving Co., 41 Park Row, $53,858, 58th St., stone filled sheet asphalt, from Uvalde Asphalt Paving Co., 1 Bway., $24,989. Noted Oct. 25.

Fla., Gainesville—Bd. Bond Trustees surface treating 18.1 mi. Gainesville-Hawthorn Rd., from Finley Method Co., Graham Bldg., Jacksonville, $56,067. Noted Oct. 11.

Kentucky — State Hy. Dept., Frankfort, paving with waterbound macadam 2.83 mi. Owingsville-Carlisle Rd., State Project 61, Sect. A, Bath Co., from Clark Constr. Co., Manchester, $58,450, surface treatment from Southern Oil & Tar Co., Clay and Fulton Sts., Louisville, $3,643; paving 3.156 mi. Alexandria-Falmouth Rd., 18 ft. State Project 21, Sect. B, Campbell Co., from E. Hine & Sons, Harrison, O., $111,334 12.76 mi. Winchester-Hampton Rd., 16 ft., State Project 4, Sect. A, Clark Co., from E. E. Price, 723 Hornbrick Ave., Lexington, $327,793, 10.112 mi. Alexandria-Falmouth Rd., 16 ft., State Project 21, Sect. A, Campbell and Pendleton Counties, from Cynthiana Constr. Co., Cynthiana, $273,345, surfacing foregoing from Atlantic Refining Co., Atlanta, Ga., $4,284, $15,349 and $13,131 respectively; paving 0.137 mi. Somerset-Stamford Rd., 18 ft., State Project 22, Sect. B, Pulaski Co., from Cast & Lynn, Stamford, $8,480, 6.319 mi. Covington-Falmouth Rd., 18 ft. State Project 62, Sect. C, Kenton Co., from J. Wroe, Dayton, O., $144,607, $1,306 mi. Stanton-Winchester Rd., 24 and 28 ft., Federal Aid Project 108, Powell Co., from R. L. Shunfessel, Clay City, $4,217.

Tex., Palo Pinto—Palo Pinto Co., grading and gravel surfacing on crushed stone 3.37 mi. State Highway 1, Federal Aid Project 383, 18 ft. and grading, surfacing with gravel, sledged stone and crushed stone and bridging 15.47 mi. State Highway 1, Federal Aid Project 382, 18 ft., from McCling Constr. Co., Cleburne, $24,258 and $200,847 respectively. Engrs. est. $60,254 and $262,200 respectively. Gravel to be furnished by county. Noted Oct. 11.

Ore., Baker — Baker Co., grading and crushed stone surfacing Mason-Salisbury Sect., Lockhart Market Rd., from T. Knudson, Portland, excav. $0.50, 13,000 crushed stone for base $2.50, top course $2.70, total $36,320.

Calif., San Diego—Improving 31st and Elm Sts., 4,875 lin.ft. cement curb, 24,699 sq.yd. cement sidewalk, 21,067 cu.y.l. earth excav., one 160 ft. bridge, etc., from G. R. Daley, 4440 Boundary St., $44,321. Former bids rejected. Noted Sept. 20.

Calif., San Diego—Paving with 1½ in. asphaltic concrete on 4 and 5 in. concrete 13,550 sq.yd. Ray, Weightman and Dwight Sts., from G. R. Daley, 4440 Boundary St., $29,994; 23,905 sq.yd. Granada, 29th, Dale and Palm Sts., from California Constr. Co., Union Bldg., $51,007. Noted Aug. 30.

CONTRACTS AWARDED

Massachusetts—State Hy. Dept., Boston, bituminous macadam paving 21,046 ft. highway, 18 ft., in Truro and Wellfleet, to Lane Constr. Co., 37 Colony St., Meriden, Conn., $110,086; 2,480 ft., 30 ft. wide, in Scituate, to Reynolds Bros., Inc., 179 Summer St., Boston, $28,068. Noted Sept. 27.

N. Y., Brooklyn—Park Bd., Municipal Bldg., New York, grading, sheet asphalt paving, etc., main roadway of Eastern Parkway from Albany to Ralph Aves., here, to M. J. O'Hara, 1228 Park Ave., New York, $147,081. Noted Oct. 18.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, grading, curbing and flagging East 29th St., to T. B. Scott, 671 Halsey St., $4,987; Lake St., to W. J. McHale Contg. Co., 1250 Jefferson St., $4,656; asphalt paving East 29th St. and New York Ave., to Borough Asphalt Co., 1301 Metropolitan Ave., $7,439 and $40,147 respectively; Lake St., to Cranford Co., 52 9th St., $10,231; resurfacing 67th St., bituminous macadam, to Galecor Contg. Co., 507 Greenwich St., New York, $13,759. Noted Nov. 1.

N. J., Asbury Park — Bituminous concrete paving 27,000 sq.yd. Kingsley St., and 17,500 sq.yd. Cookman Ave., to J. J. Barrett, North Olden Ave., Trenton, $102,339. Noted Nov. 1.

Pa., Pittsburgh—Paving 3,638 sq.yd. Bon Air Ave. and 594 sq.yd. Coast Ave., to M. O'Herron, South 1st, and McKean Sts., $4.25 per sq.yd., 2,330 sq.yd. Conniston Ave., to McDonnough & O'Toole, 3032 Landis St., $4.25 per sq.yd., 1,329 sq.yd. Fuschia Way and 163 sq.yd. Hoffers Way, to A. Lucini, Pittsburgh, $4.35 per sq.yd.

N. C., Winston—Salem-Montgomery Co. grading and top soiling 7 mi. Blaine-Chandeers Grove Rd., to Harris & Moore, Mt. Gilead, $26,800.

Fla., Gainesville—Alachua Co. surfacing treating 52,800 sq.yd. Rd. 2 from Daysville to Wacahoota, and 60,000 sq.yd. Rd. 3 from Gainesville to Newberry, to Finley Method Co., Graham Bldg., Jacksonville, $14,256 and $16,200 respectively. Noted Sept. 6.

Fla., Leesburg—Curbing, guttering and paving 60,000 sq.yd. various streets, to C. R. Scott, Lake Wales, $225,000. Noted Sept. 13.

Fla., Sebring — Highlands Co., to O. Hardin, Okeechobee, improving Sick Island-Kissimmee River Rd., 75,000 cu.yd. excav. $0.30 per cu.yd., 49 acres clearing $80.

Ala., Birmingham—Asphalt paving 5 blocks 3rd Ave. from 14th to 20th Sts., to Dunn Constr. Co., Lincoln Bldg., $40,777; 3 blocks 14th St. from 3rd Ave. to 6th Ave. S, to Southern Roads Co., American Trust Bldg., $16,957; paving with brick between street car tracks on above avenue and street, to Birmingham Railway and Light Co., 4105 1st Ave. N. $13,260 and $1,105 respectively; asphalt paving 3 blocks 7th St., West and 8th Court St. West, to J. L. Mularky, 2,400 Ave. J, $11,849; furnishing and laying c.i. pipe several blocks in Elyton Highlands, to Long & McPollands, Birmingham, $7,896. Noted Aug. 2.

Miss., Lexington—Improving 6.388 mi. Federal Aid Project 137-B, to McElwrath & Rogers, renada, 54,422 cu.yd. excav. $0.31, 9,941 cu.yd. borrow $0.26, 516.42 cu.yd. concrete $22.50, etc. Noted Sept. 27.

Miss., Meadville — Improving 8.514 mi. Federal Aid Project 150, to B. H. Bass, Hazlehurst, 70,307 cu.yd. excav. $0.27, 24,138 cu.yd. borrow $0.20, 112.45 cu.yd. concrete $20, 13,328 cu.yd. gravel 1 mi. haul $0.75, 46,068 units gravel overhaul $0.15. Noted Sept. 27.

La., Independence—Grading and graveling 5.7 mi. streets, to Morgan & Newton, Amite, excav. $0.24, concrete $16, gravel $1.92. Engrs. est. $27,000. Noted Oct. 11.

Tennessee—State Dept. Hys. and Pub. Wks., Nashville, grading and surfacing (2 in. Topeka type) 13 mi. road from Knoxville to Jefferson Co. line, 16 ft., State Aid Project 132, Knox Co., to Baird-Eller Constr. Co., Nashville, $209,697, with bituminous macadam 9.25 mi. from Jasper to Whitwell, 14 ft., State Aid Project 137, Marion Co., and 13 mi. Federal Aid Project 2 B, 24 and 72, 16 ft., Marion Co., to Texas Road Co., Great Southern Life Bldg., Dallas, Tex., $104,439 and $176,543 respectively, 3.3 mi. from New Market to Knox Co. line, 16 ft., State Aid Project 133, Jefferson Co., to W. C. Anderson Constr. Co., Harriman, $55,823; with gravel or chert 11.83 mi. from Waynesboro to Lawrence Co. line, 16 ft., Federal Aid Project 99, Wayne Co., to Federal Constr. Co., Nashville, $124,905; grading 19.93 mi. Decatur to Hamilton Co. line, 20 ft., State Aid Project 140, Meigs Co., to Harriman, Walters & Prather, White River, $51,188, 8 mi. from Marysville to Knox Co. line, 16 ft., State Aid Project 141, Blount Co., to Shea Bros., Knoxville, $101,105. Noted Oct. 4.

Tenn., Knoxville—Will resurface 16 mi. Washington St., Bway., Clinton and Dandridge Pikes, Clinton Rd., Tennessee and Central Aves., etc., limestone macadam, by day labor. $35,000.

Ky., Ashland—Concrete paving and extending sewers up Grays Hill, to Concrete

Streets and Roads (Continued)

Highway Constr. Co., Ashland. Est. cost, to exceed $25,000.

O., Cleveland—Paving Liberty Row, 1,300 tons asphalt, 10,100 sq.yd. 7 in. concrete base, to Bentley Bros., 3024 Euclid Ave., $48,582.

O., Euclid—Curbing, guttering and asphalt paving on concrete Friday and Ball Aves., to Gould & Maybach, 16311 Saranec Rd., Cleveland, $28,710; Westport, Wilmore, Morris and Foxton Aves., to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $57,512.

O., Lyndhurst (Cleveland P. O.)—Grading and laying concrete sidewalks on 4 streets, to Strohman & Kidder, The Arcade, Cleveland, $30,345. Noted Nov. 1.

O., Toledo—Curbing and concrete paving 2 mi. Milburn St. to city limits, 50 ft., to Johnson, Van Wagner & Johnson, Toledo, $40,159.

Michigan—State Hy. Dept., Lansing, grading and surfacing 6.304 mi. State Trunk Line Rd, 55-10, Roscommon Co., to DuVall Bros., McBain, incl. 48,511 cu.yd. excav. $0.38, 59,174 sq.yd. gravel surface Class B $0.53, etc., total $58,772; 1.12 mi. State Trunk Line Rd. 51-6, Ottawa Co., to Ottawa Co. Rd. Comn., Grand Haven, 7,084 cu.yd. excav., 13,173 sq.yd. concrete, $28,500; 9.509 mi. State Trunk Line Rd. 27-6, Sects. A and B, Huron Co., to Huron Co. Rd. Comn., Bad Axe, incl. 35,010 cu.yd. excav. $0.48, 88,754 sq.yd. gravel surface class B $0.73, etc., total $98,465. Noted Oct. 4 and 25.

Ill., Winnetka—Bd. Local Impvts., 12,000 sq.yd. rein.-con. paving, to H. G. Goelitz, 810 North Blvd., Oak Park, $119,000. Noted Oct. 11.

Kan., Great Bend—Barton Co., grading, bridging, etc., Sects. A and B of Federal Aid Project 160, by day labor. $33,606. H. S. Allen, co. engr.

Kan., La Crosse—Paving, etc., various streets, to Cook & Ranson, Ottawa, 11,330 sq.yd. 3 in. brick on 5 in. concrete, asphalt filler $3 per sq.yd., 24 in. gutter $1.05, 30 in. gutter $1.15, grading, $0.80, etc., total $40,000.

Kan., Marion—Marion Co., grading and surfacing 0.818 mi. Project 161, 18 ft. bituminous filled brick, to Kaw Paving Co., 506 N. E. Bldg., Topeka, $40,566. Engrs. est. $41,974.

Kan., Marion—Marion Co., grading and paving 0.818 mi. Santa Fe Trail, Federal Aid Project 161, to Stimson Constr. Co., Topeka, $25,088. Noted Sept.

Ark., Little Rock—Improving Izara St. in Dist. 302, 4,500 cu.yd. excav., 6,200 sq.yd. 2½ in. sheet asphalt on 5 in. concrete, etc., to P. F. Connelly Paving Co., 814 Rector St., $26,300.

Tex., Alpine—Brewster Co., grading, gravel and caliche surfacing 8.53 mi. State Highway 12, 18 ft., to Womack Constr. Co., Sherman, $38,540; 22,031 cu.yd. gravel and caliche surfacing to be furnished by county. Engrs. est. $43,000. Noted Oct. 4.

Tex., Barstow—Ward Co., grading, gravel and caliche surfacing 5.5 mi. State Highway 1, Federal Aid Project 391 A, 18 ft., 35,899 cu.yd. roadway, 12,288 cu.yd. borrow excav., 24.5 cu.yd. concrete, 12,908 cu. yd. gravel and 1,597 cu.yd. caliche, etc., to Valient & Toomey, 1703 F & M Bank Bldg., Ft. Worth, $43,435. Engrs. est. $45,184. Noted Oct. 25.

Tex., Ft. Worth—Paving 6th Ave., 1½ in. Uvalde rock asphalt on 5 in. base, to General Constr. Co., Cotton Exch. Bldg., $41,862. Engrs. est. $40,000.

Tex., Ft. Worth—Paving with warrenite bitulithic West Bway. and White St., to West Texas Constr. Co., Cotton Exch. Bldg., $19,500; amiesite on Tremont St., to McCollon Constr. Co. F. & M. Bldg., $17,000. Noted Sept. 20.

Tex., Houston — Improving Preston St. from Crawford to Dowling Sts., to Gulf Bitulithic Co., Kress Bldg., $48,116.

Tex., Palestine — Anderson Co., grading gravel and clay surfacing and bridging 6 mi. Elkhart-River City Rd., 16 ft., to Montgomery & Minter, Kaufman, $26,717. Engrs. est. $35,000. Noted Oct. 4.

Tex., Quanah — Paving 22 blocks West 3rd, Mercer and Main Sts., 38 ft., Amiesite on 4 in. concrete, to McCulom Constr. Co., F&M Bldg., Ft. Worth, $2.65 per sq.yd. Noted Nov. 1.

Okla., Poteau—Grading and paving Dewey Ave., 13,300 sq.yd. concrete, 7,200 lin.ft. curbing, 7,200 lin.ft. guttering 5,330 cu.yd. excav., to J. S. Terry, Poteau, $59,895. Rein.-con. pavement $3.40 per sq.yd. Noted Sept. 6.

Okla., Wewoka—Grading and paving 11 blocks Main, Apple, Wewoka and Okfushey Sts., to B. E. Pach, Box 622, Okmulgee, 27,100 sq.yd. vertical fibre brick, 2½ in. $3.75, 3 in. $3.92, 8,700 cu.yd. earth excav. $0.80, etc., total $139,988. Noted Oct. 11.

Idaho—P. E. Oxley, dist. engr., Lewiston, 5.91 mi. grading and surfacing Federal Aid Project 74, Latah Co., 40,400 cu.yd. earth, 5,900 cu.yd. solid and 4,500 cu.yd. loose rock excav., 12,340 cu.yd. crushed rock surfacing, etc., to Triangle Constr. Co., Realty Bldg., Spokane, Wash., $76,493. Noted Oct. 11.

Arizona—State Hy. Dept., Phoenix, will grade and surface 7 mi. Federal Aid Project 55A, Schedule 2, Yuma Co., and 22 mi. Federal Aid Project 69, Maricopa Co., by force account. This corrects report in Nov. 1 issue.

Oregon — State Highway Dept., Salem, grading 7.69 mi. Paulina Prairie-Lava Butte Sect., The Dalles-California Highway, Des Chutes Co., to Jetley Bros., Burns, $39,617, using concrete pipe; 6.2 mi. Stices Gulch Sect. Baker-Unity Highway, Baker Co., to I. J. Roslen & Co., Portland, $121,738 using concrete pipe.

Calif., Hanford—Paving East 6th St. between Harris St. and Corcoran Highway, 1½ in. warrenite bitulithic on 4 in. bituminous, to California Constr. Co., 58 2nd St., San Francisco, $56,322.

Calif., San Luis Obispo—Concrete paving 100,000 sq.ft. Osos St., to I. Hodson, San Luis Obispo, $31,498. Noted Nov. 1.

Industrial Works

PROPOSED WORK

Me., Portland—E. W. Jones, Exchange St., had plans prepared by Webster & Libby, Exchange St., and soon takes bids 1 story, 100 x 180 ft. garage, rein.-con., plain foundation, Forest Ave. $50,000.

Mass., Boston — C. T. Main, engr. and archt., 220 Devonshire St., takes bids early in winter, 4 story bakery, about 75 x 125 ft., rein.-con., wood pile foundation, Palmer St., for Berwick Cake Co., 2220 Washington St. To exceed $150,000.

R. I., Providence—Atlantic Biscuit Co., c/o McCormick Co., archts. and engrs., 41 Park Row, New York City, having plans prepared 3 story, rein.-con. and brick factory, plain foundation, here.

Conn., Berlin—Donelly Brick Co. having plans prepared by M. J. Unkelbach, Main St., New Britain, 1 story and basement, 60 x 160 ft. power house, brick and steel, plain foundation. $40,000.

Conn., Cromwell—Warner Hammer Co. plans 2 story, 80 x 80 ft. factory, brick and steel, plain foundation. $40,000. Private plans.

Conn., Hartford—Kinsley & Smith, 571 Main St., had plans prepared by F. C. Walz, Trumbull St., 2 story, 50 x 175 ft. garage, brick and steel, plain foundation, Main St. $40,000.

Conn., Meriden—M. Cherniack, Colony St., plans 3 story, 50 x 70 ft. storage plant, brick and steel, plain foundation, East Main St. $50,000. Engineer and architect not selected.

Conn., Thompsonville—Bigelow-Hartford Co., 58 Main St., plans 4 story, 140 x 220 ft. factory, brick and steel, plain foundation. $70,000. Private plans.

Conn, Waterbury—P. Laskas, 1844 East Main St., having plans prepared by F. L. Lauper, 16 Albion St., 1 story and basement, 60 x 130 ft. garage, brick and steel, plain foundation, Meriden Rd. $40,000.

N. Y., Brooklyn — Brooklyn Edison Co., Pearl St., having plans prepared 1 story, 58 x 112 ft., rein.-con., brick and steel substation, plain foundation, West 12th St. near Neptune Ave. $60,000. Private plans.

N. Y., Brooklyn—Columbia Machine Wks. & Malleable Iron Co., 269 Chestnut St., plans 1 story, 74 x 491 ft., rein.-con., brick and steel shop and foundry, plain foundation, Chestnut St. and Atlantic Ave. $194,000.

N. Y., Geneva—O'Malley Candy Co., Klube Blk., plans 2 story, 180 x 200 ft. factory, South Exchange St. $75,000. Engineer and architect not announced.

N. Y., Mt. Vernon—Eureka Garage, 213 11th Ave., plans rebuilding garage recently destroyed by fire. $60,000. E. Herz, purch. agt.

N. J., Hightstown—Peddie Institute plans steam plant. $50,000. R. W. Swetland, headmaster. Engineer and architect not selected.

Pa., Blairsville — Natl. Plate Glass Co., Blairsville, plans 1 story and basement, 190 x 300 x 500 ft. brick and steel addition to plant, here. $2,000,000. C. R. Dick, c/o Mississippi Valley Steel Co., Decatur, Ill., engr. See "Unclassified" under "Contracts Awarded."

Pa., Pittsburgh—Pittsburgh Auto Equipment Co., 5933 Baum Blvd., plans warehouse, Baum Blvd. $150,000. Private plans.

Md., Baltimore—Maryland Penitentiary having plans prepared by T. W. Pietsch, archt., American Bldg., 1 story, 100 x 230 ft. foundry, brick and steel. Eager and Forrest Sts. $100,000. H. Massart, 328 North Charles St., engr.

Md., Baltimore—G. Esselman, 3225 Greenmount Ave., had plans prepared 2 story, 75 x 110 ft. garage, concrete and brick, 3313-31 Greenmount Ave. $40,000. Private plans.

Ga., Perry—Clinchfield Portland Cement Corp., Kingsport, Tenn., plans 2,000 bbl. mill, here.

Fla., Tampa—Melville Fertilizer Co. plans addition to plant, 7th Ave. $60,000-$65,000. B. M. Banker, pres.

Ala., Fairfield — Rushton Corp., 2 story 130 x 300 ft., brick and concrete factory, Crawford St., to Holly & Davis, Fairfield, $150,000.

Ky., Bowling Green — Porter Provision Co., Inc., plans 1 story packing and cold storage plant. $40,000.

Ky., Louisville—Louisville Gas & Electric Co., 311 Chestnut St., plans 1 story, garage and repair shop, 7th and Ormsby Aves. $40,000.

Ky., Whitesburg — Wright Lumber Co. plans several saw mills along Beaver Creek, near here. $40,000.

O., Canton—Timken Roller Bearing Co. Dulber Ave. S. W., plans to expend $750,000 for plant extensions. Will build 2 story, 200 x 300 ft. factory to house roller bearing department, immediately. $250,000.

O., Cleveland—G. J. Paul had plans prepared by J. F. Steffens, Fidelity Mortgage Bldg., 1 story, 125 x 163 ft., brick, steel and concrete storage building, 4320 Superior Ave. $60,000.

O., Cleveland—D. J. Silverman, 3237 East 116th St., having plans prepared by L. Skolnik, 6th St., Clair Bldg., 1 story, 72 x 113 ft., brick and steel garage, Union Ave. near East 123rd St. $40,000.

O., Port Homer—Ohio Valley Clay Products Co. plans 4 story, 160 x 200 ft. tile plant, E. W. Cooper property. $150,000.

O., Toledo—Toledo Edison Co., Jefferson and Superior Sts., plans extensions and improvements to plant. $473,000. Engineer's name not announced.

O., Uhrichsville — Federal Collieries Co. plans 4 story plant, near here. $200,000.

Ind., Indianapolis—Indianapolis Light & Heat Co., 48 Manument Pl., plans power plant on White River, near here. $5,000,000. C. C. Perry, pres. Engineer and architect not selected.

Mich., St. Joseph—Auto Specialties Mfg. Co., plans 1 story, 100 x 200 ft. foundry. $100,000.

Wis., Ashland—Lange Canning Co., Mill St., Eau Clair, plans 2 story, brick and concrete or brick and timber cannery, plain foundation, here. $50,000. G. J. Lange, pres. Engineer and architect not selected.

Wis., Echo—Eastern Wisconsin Electric Co., c/o H. Ellis, genl. mgr., 428 North 8th St., Sheboygan, plans 1 story, power plant, rein.-con., brick and steel, plain foundation, also dam on Wolf River, here. $50,000. Engineer and architect not selected.

Wis., Milwaukee—Boston Store, 4th St. and Grand Ave., having plans prepared by C. Barkhausen, 69 Wisconsin St., 1 story, 158 x 172 ft., brick and timber, warehouse, plain foundation, Clinton St. $75,000.

Wis., Milwaukee — A. Golembiewski, c/o Gurda & Gurda, archts., 2nd Ave. and Mitchell St., preparing plans 1 story, 60 x 120 ft., brick and timber garage, plain foundation, Lincoln Ave. $40,000.

Wis., Milwaukee—Reitman-Straus Co., 97 Wisconsin St., plans 8 story and basement, 50 x 150 ft., light manufacturing plant and store building, brick and concrete, plain foundation, 3rd St. Engineer and architect not selected.

Neb., Omaha — I. Goldstein, 218 South 19th St., having plans prepared by J. T. Allan, 224 Brandeis Theatre Bldg., 3 story and basement, 80 x 119 ft. rein.-con., brick and steel garage, 19th and Capitol Sts. $90,000.

Mont., Billings — Badger Showcase Co., 133 North Pearl St., plans 2 story, 60 x 160 ft. brick and concrete factory with 35 x 40 ft. boiler house, South Bway. $60,000.

Tex., Ft. Worth—L. L. Burton, c/o F. J. Woerner, archt., Sumpter Bldg., Dallas, plans 1 story factory. $40,000.

Industrial Works (Continued)

Tex., Ft. Worth—Southwestern Bell Telephone Co., 211 West 10th St., plans 30 x 75 ft., brick warehouse, Throckmorton St. $40,000. Private plans.

Calif., Long Beach—Amer. Ave. Hardware Co., 133 Amer. Ave., plans warehouse. $60,000.

Calif., San Francisco—Hills Bros., 175 Fremont St., having plans prepared by H. J. Brunier, engr., and G. W. Kelham, archt., Sharon Bldg., 5 or 6 story, rein.-con. factory and warehouse, Harrison St. $750,000.

Calif., Sausalito—C. Mason, 31 El Monte Lane, had plans prepared by R. S. Chew, Rialto Bldg., San Francisco, 2 story garage, rein.-con., Water St. $45,000.

Que., Outremont—J. O. Villeneuve Co., St. James St., Montreal, plans 90 x 167 ft. rein.-con. garage, Bernard and De L'Eppee Sts., here. $150,000 bonds will be sold.

Ont., London—Ontario Hydro Power Comn., London, having plans prepared 2 auxiliary steam operated plants, one in London district and one likely to be at Windsor.

Ont., Port Colborne—J. Diffen, Welland, and R. W. Wright, Dunkirk, N. Y., plan plant, here. $40,000.

BIDS DESIRED

Mass., Quincy — H. L. Kincardie taking bids and opens same about Nov. 9, 4 story and basement, 48 x 52 ft. brick and rein.-con. warehouse, 1495 Hancock St. To exceed $70,000. J. W. Beal Sons Co., 62 Summer St., Boston, archts.

N. Y., Brooklyn—See "Buildings."

Pa., Pittsburgh—Pittsburgh & West Virginia Ry., Wabash Bldg., taking bids 1 and 2 story, 47 x 99 ft. power and boiler house, at Rook near here. Crecilius & Phillips, Hanna Bldg., Cleveland, O., engrs.

O., Lorain—Natl. Stove Co. taking bids 2 story, 100 x 220 ft. concrete, brick and steel factory addition. $100,000. T. Rath, supt. Noted Nov. 1.

Ill., Chicago—D. S. Klafter, archt., 64 West Randolph St., receiving bids 1 story, 100 x 120 ft. garage, 3401-11 Cottage Grove Ave., for W. B. Frankenstein, c/o archt. $75,000.

Wis., Durham (R. F. D. Hales Corners)—A. G. Wolff, archt., 453 Mitchell St., Milwaukee, taking bids and opens same about Nov. 12, 1 story and basement, 60 x 100 ft., brick and timber warehouse, plain foundation, for G. Bosch. $42,000.

Wis., Milwaukee — Federal Eng. Co., engrs. and archts., 440 Milwaukee St., taking bids and opens same about Nov. 12, 3 story and basement, 100 x 127 ft., brick and concrete garage, plain foundation, Bway., for Curtis Auto Co., 142 8th St. $200,000. Noted July 26.

Minn., St. Paul—Nov. 12, by E. A. Hancock, Laycock Bldg., Eau Claire, Wis., 2 story, 60 x 62 ft. factory, brick and concrete, plain foundation, for Western Display & Mfg. Co. 301 Chestnut St. $40,000.

Mo., Springfield — Heckenlively & Mark, archts. Landers Bldg., taking bids 3 story and basement 100 x 120 ft. rein.-con., brick, tile and terra cotta packing plant, East Niel St., here, for Banfield Bros. Packing Co., Sedalia. $50,000.

CONTRACT AWARDED

Conn., Glastonbury—Glastonbury Tobacco Warehouse Co., 3 story warehouse, brick and steel, plain foundation, to Bartlett-Brainard Co., 252 Asylum St., Hartford. Archts. est. $50,000.

N. Y., Buffalo—Pratt & Letchworth Co., 189 Tonawanda St., 1 story, 52 x 120 ft., and 1 story, 70 x 212 ft., brick and steel factories, to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg., Cleveland. Archts. est. $85,000.

N. Y., Buffalo—Wickwire Spencer Steel Corp., River Rd., briquetting plant, to Wilbur G. Hudson Corp., 50 Church St., New York, $75,000.

N. Y., New York—S. Young, c/o M. Rothstein, archt. and engr., 26 Court St., Brooklyn, will build 1 story, rein.-con., brick and steel garage, plain foundation, 242 East 98th St., by day labor. $60,000.

N. J., Paterson — Alexander Hamilton Garage Co., Inc., 4 story, and part basement garage, 100,000 sq.ft. floor space, to John W. Ferguson Co., 253 Bway., New York City, and 152 Market St., Paterson.

Pa., Phila.—Fleischmann Co., 701 Washington St., New York City, garage, 20th and Venango Sts., here, to B. A. Groah Constr. Co., 847 West North St., Pittsburgh, $117,500. Noted Aug. 30 under "Buildings."

Pa., Phila.—Fable & Co., 837 North 3rd St., 2 story and basement, 60 x 176 ft. brick factory, 510-512 North 3rd St., to G. Kessler Constr. Co., 1733 Mervine St., $40,000.

Pa., Pittsburgh—Penna. Lubricating Co., 34th and Smallman Sts., general contract 2 story, 50 x 120 ft., brick and steel plant, Smallman St., to T. Coutts Co., 3320 Smallman St. Archts. est. $40,000.

Pa., Sharon—J. Meyer, 1 story, 60 x 170 ft. brick and tile garage, North Main St., to L. Vasconi, Sharon. Archts. est. $80,000.

N. C., Roanoke Rapids—Roanoke Rapids Power Co., new brick and steel power station, enlarging canal, altering head works and installing 3,200 hp. waterwheel to operate under 30 ft. net head and direct connected by vertical shaft to 3,000 kva. generator, to Stone & Webster, Inc., 147 Milk St., Boston, Mass.

O., Cleveland—Auer Register Co., 3618 Payne Ave., 1 story, 76 x 100 ft., brick and concrete factory addition, to W. Dunbar Co., 8201 Cedar Ave. Archts. est. $40,000.

O., Cleveland—Cleveland Ry. Co., Hanna Bldg., 1 story, 40 x 43 ft. automatic substations, to Craig-Curtiss Co., 4614 Prospect Ave. Archts. est. $350,000. Noted May 24.

O., Cleveland — Cleveland Varnish Co., 3111 East 87th St., 3 story and basement, 47 x 66 ft., brick and timber factory, to G. A. Rutherford Co., 2725 Prospect Ave. Archts. est. $50,000.

O., Cleveland—Cleveland Cutter & Reamer Co., 1619 Merwin Ave., 1 story, 40 x 100 ft., brick and timber factory, 7406 Madison Ave., to Lehder Constr. Co., Rose Bldg. Archts. est. $40,000.

O., Cleveland — Park Battery Co., 277 East 156th St., 2 story, 79 x 152 ft., brick, steel and concrete garage and factory, to Austin Co., 16112 Euclid Ave. Archts. est. $75,000.

O., Cleveland — A. C. Wolf, and F. M. Griffith, archts., Swetland Bldg., 1 story, brick and steel machine shop and foundry, East 55th St., to H. F. Juergens Co., 15430 Lake Dr., for Globe Brass Mfg. Co., 5532 Perkins Ave. Archts. est. $60,000. Noted Sept. 6.

O., Tiffin—Standard Sanitary Mfg. Co., 3 buildings, to C. E. Dennie, Tiffin, $300,000.

Mich., Detroit—Kroger Grocery & Baking Co., 4760 Merritt Ave., 1 story, 82 x 390 ft., concrete, brick and steel garage and bakery, plain foundation, Junction Ave., to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O. Archts. est. $100,000. Noted Nov. 1.

Mich., Detroit—Michigan Stamping Co., 11631 Mack Ave., 1 and 2 story, 50 x 100 ft., rein.-con., brick and steel addition to plant, plain foundation, Hart Ave., to A. A. Albrecht, 1130 Penobscot Bldg. Engrs. est. $75,000. Noted Oct. 25.

Mich., Jackson—Michigan Seating Co., 5 story and basement, 72 x 132 ft., brick, steel and stone addition to factory, plain foundation, to North-Miller Co., Jackson. Archts. est. $150,000. Noted Oct. 4.

Wis., Beaver Dam—Roedl-Jacobs Lumber Co., 2 story, 30 x 120 ft., brick and timber warehouse, plain foundation, to H. Opitz, 111 Walnut St. Archts. est. $40,000. Noted Sept. 13.

Wis., Milwaukee—Modern Auto Repair Co., 2431 State St., 1 story, 112 x 125 ft., brick and concrete addition to garage, plain foundation, to H. Schmitt & Son, 430 Farwell Ave. Archts. est. $55,000. Noted June 21.

Wis., Milwaukee—Shellmar Products Co., 1613 Humboldt Ave., 1 story, 80 x 148 ft., brick and timber printing plant, plain foundation, Humboldt St., to Austin Co., 208 South LaSalle St., Chicago. $50,000. Noted Oct. 18.

Wis., Neenah—E. Defnet, 159 East Forest Ave., 1 story and basement, 50 x 80 ft., storage plant, brick and rein.-con., plain foundation, to A. Nielsen & Son, 702 South Commercial St. Archts. est. $40,000.

Minn., St. Paul—Ford Motor Co., Highland Park, Mich., 1 story, 606 x 1,726 ft. plant, brick, steel and rein.-con., plain foundation, here, to Stone & Webster Co., St. Paul. Noted Oct. 4.

Mo., Joplin—Kansas Exploration Co., remodeling concentration plant, to B. Hoskins, East 14th St., Baxter Springs, Kan., $60,000.

Tex., Houston—Houston Power & Light Co., brick and steel addition to power plant, Gable St., to D. Hall, Carter Bldg., $60,000.

Tex., Magnolia Park—City, general contract gas plant, 32 mi. distribution system and 50,000 ft. service connections, to N. A. Saigh Co., Gibbs Bldg., San Antonio, $264,456. Engrs. est. $275,000. Noted Oct. 25.

Okla., Shawnee — Chicago, Rock Island and Pacific R.R. Co., 139 Van Buren St., Chicago, new engine house, here, to J. E. Nelson & Sons, 3240 Michigan Ave., Chicago. Est. cost $50,000.

Utah, Salt Lake City—Ford Motor Co., Highland Park, Mich., 2 story, 165 x 247 ft. assembly plant, rein.-con. and brick, plain foundation, 3rd South St., here, to Villadsen Bros., Dooly Bldg., $250,000.

Calif., Fresno — C. H. Cobb, fireproof garage, Forthcamp St., to Trewhitt-Shields, Rowell Bldg., Fresno, $52,000.

Calif., San Francisco—Standard Sanitary Mfg. Co., 149 Bluxome St., 5 story, 100 x 180 ft., rein.-con. warehouse, 9th and Brannan Sts., to Cahill Bros., 110 Sutter St., cost plus basis, approximately $284,000. Noted Aug. 23.

Que., Drummondville—Southern Canada Power Co. Ltd., 20 St. Nicholas St., Montreal, 30,000 hp. power house at Hemming Falls, to Foundation Co., 120 Liberty St., New York City. Noted Sept. 6.

Buildings

PROPOSED WORK

Conn., Glenbrook — Apartment — C. E. Philips having plans prepared by Butler & Provost, 292 Main St., Stamford, 3 story, 122 x 122 ft., brick, plain foundation. $150,000.

Conn., Hartford—Apartment—N. Carabillo Co., 210 Farmington Ave., having plans prepared by Dunkelberger & Gelman, 721 Main St., 3 story, 80 x 125 ft., brick and lime stone, plain foundation, Willard St. $150,000.

Conn., Hartford—Apartment—Ferrigno & Perrone, 44 Garden St., having plans prepared by R. A. D'Avino, 647 Main St., 3 story, brick, plain foundation, Farmington Ave. $200,000. Noted Oct. 25.

Conn., Hartford—Hotel—Garde Hotel, Asylum St., having plans prepared by F. C. Walz, Trumbull St., 5 story, 50 x 60 ft. addition, rein.-con. and brick, plain foundation, Asylum St. $150,000.

Conn., Oakville—Community House—Town plans community house with swimming pool, gymnasium and auditorium, brick and steel, plain foundation. $150,000. H. Wheeler, member building com. Engineer and architect not selected.

Conn., Stratford—School—Bd. Educ. having plans prepared by F. I. Cooper Corp., 172 Tremont St., Boston, 2 story, 60 x 180 ft., brick, stone and steel, plain foundation. $200,000. F. J. Taylor, chn.

Conn., Waterbury—Apartment, etc.—Torrington Building Co., 197 Water St., Torrington, plans 5 story, brick, plain foundation, 1st St., here. $200,000. Engineer and architect not selected.

Conn., Waterbury—Hospital—Waterley Hospital plans 3 story addition, brick and stone, plain foundation. $150,000. H. Whittmore, pres. Engineer and architect not selected.

Conn., West Hartford (Branch of Hartford)—Community—Town plans community house. $150,000. H. C. Whitman, clk.

N. Y., Brooklyn—Schools—Bd. Educ., 500 Park Ave., New York, having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., 4 story, 178 x 279 ft., Bedford Ave. near Church Ave., $500,000, also P. S. 202, Hegeman Ave., $1,500,000, both brick, steel and stone, plain foundations.

N. Y., Gloversville — Hospital — Nathan Littauer Hospital having plans prepared by Crow, Lewis & Wick, archts. and engrs., 200 5th Ave., New York, brick, steel and stone, plain foundation. $300,000.

N. Y., Jamaica—High School—Bd. Educ., 500 Park Ave., New York, plans brick, steel and stone, plain foundation, Grand Ave., here. $1,000,000. W. H. Gompert, Flatbush Ave. extension and Concord St., Brooklyn, archt. and engr.

N. Y., New York—Apartment—N. C. Partos, c/o L. A. Abramson, archt. and engr., 46 West 46th St., having plans prepared 12 story, brick, steel and stone, plain foundation, East 97th St.

N. Y., New York—Exchange—New York Telephone Co., 15 Dey St., plans 200 x 220 ft., brick, steel and stone, plain foundation, Sherman and Arden Aves. McKenzie, Voorhies & Gmelin, 342 Madison Ave., archts. and engrs.

N. Y., New York—Schools—Bd. Educ., 500 Park Ave., having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, training school, West 135th St. between Convent and St. Nicholas Aves., $1,500,000.

Buildings (Continued)
also P. S. 173, 5 story, 175 x 200 ft., Ft. Washington Ave. and 173rd St., $1,000,000, both brick, steel and stone, plain foundations.

N. Y., New York—School—Bd. Educ., 500 Park Ave., plans brick, steel and stone, plain foundation, 1st Ave. and 99th St. $750,000. W. H. Gompert, Flatbush Ave. extension and Concord St., Brooklyn, archt. and engr.

N. Y., New York—School—Bd. Educ., 500 Park Ave., plans brick, steel and stone, plain foundation, Madison Ave. and 122d St. $750,000. W. H. Gompert, Flatbush Ave. extension and Concord St., Brooklyn, archt. and engr.

N. Y., Roslyn—School—Bd. Educ. soon takes bids brick, steel and stone, plain foundation, Walliston Rd. $250,000. W. B. Tubby, 81 Fulton St., New York, archt. and engr.

N. J., Hightstown—Administration, etc.—Peddie Institute plans administration building, $300,000; new athletic field, tennis courts, 4 baseball diamonds, 4 football gridirons, ¼ mi. track, $20,000; concrete bulkhead or retaining wall along lake $3,500. R. W. Swetland, headmaster.

N. J., Hoboken—Bank and Office—Second Natl. Bank, 79 River St., having plans prepared by Crow, Lewis & Wick, archts. and engrs., 200 5th Ave., New York City, brick, steel and stone, plain foundation, River St. and Newark Ave. $350,000.

N. J., Paterson—Hospital—Paterson General Hospital, Market St., having revised plans prepared by Crow, Lewis & Wick, archts. and engrs., 200 5th Ave., New York City, 4 story, brick, steel and stone addition, plain foundation. $350,000. Former bids rejected. Noted Sept. 21, 1922.

N. J., Trenton—Office—State Building Comn. having plans prepared by A. B. Mills, State Office Bldg., 4 story, 84 x 244 ft., brick, steel and stone, adjoining capitol, West State St. $350,000. Noted June 14.

Pa., Grove City—Church—First Presbyterian Church plans new church. $250,000. Engineer and architect not announced.

Pa., Kingston — Recitation — Wyoming Seminary plans new recitation building, here. $200,000. Engineer not selected. Architect not announced.

Pa., Phila.—Church and Sunday School—Frankford Methodist Episcopal Church having revised plans prepared by H. W. Castor, St. Girard Bldg., church and Sunday school, Oxford Ave. and Dyre St. Noted Sept. 20.

Md., Hagerstown — Bank and Office — Security Surety & Trust Co. having plans prepared by A. C. Bossom, archt. and engr., 680 5th Ave., New York City, brick, steel and stone, plain foundation, Court Pl. $200,000.

W. Va., Bluefield—Municipal—City having plans prepared by W. T. Mills, 900 Atlas Bldg., Columbus, O., 3 story and basement, 120 x 140 ft., rein.-con. and brick. $300,000. R. E. Ridley, city mgr. Noted Aug. 30.

W. Va., Bluefield—Physical Education—Concord State College plans 4 story, brick and stone, with concrete swimming pool. $150,000. C. E. Ridley, city mgr.

N. C., Charlotte—School—Dec. 11, to vote on $2,000,000 bonds for additional school buildings.

Fla., Crescent Grove—Hotel—Seaview, Inc., having plans prepared by J. C. Gault, Miami, constructing Seaview Hotel, 8 story, 231 x 322 ft., southern end Bay Shore Rd. $2,000,000. C. D. Briggs, pres.

Ala., Huntsville—Schools—Election Dec. 3, to vote on $150,000 bonds for new buildings and additions.

La., New Orleans—School—Bd. Educ. soon takes bids Capdau School, 3 story, 108 x 172 ft., brick, rein.-con. and stucco, on block bounded by Franklin, Jonquil, Lotus and Lavender Sts. $160,000.

Tenn., Nashville—Hotel—Hermitage Hotel Co., 6th Ave. N., plans 100 room annex, 6th and Union Sts. $300,000. P. D. Houston, secy.

Tenn., Nashville—Memorial—Vanderbilt University having revised plans prepared by H. C. Hibbs, 4th and 1st Natl. Bank Bldg., and takes bids about January for Memorial. $250,000. Noted July 19.

Tenn., Nashville—Station and Office—Tennessee Central R.R. Co., 319 7th Ave., soon takes bids 4 story, brick and concrete. Bway. H. C. Hibbs, 4th and 1st Natl. Bank Bldg., archt.

O., Archbold—Store—H. S. Winzeler, Bryan, plans 4 story, 30,000 sq.ft. floor space, here. $150,000. Engineer and architect not announced.

O., Canton—Mercantile—Stern & Mann Co., 227 Market Ave., N., plans 3 story and basement, 66 x 200 ft., Tuscarawas St. W. and Cleveland Ave. $500,000.

O., Chillicothe — Hotel — F. I. Pease, archt., East State St., Columbus, preparing plans 3 story and basement, fireproof, here. $150,000. Owner's name withheld.

O., Cincinnati—Hospital—Seton Hospital, 618 West 6th St., plans 3 story and basement, rein.-con., plain foundation, Clifton Ave. $500,000. G. W. Drach, 1701 Union Trust Bldg., archt.

O., Cleveland—Apartment—L. Arnoff, 545 East 117th St., having plans prepared by G. Rudolph, Hunkin-Conkey Bldg., 4 story and basement, 40 x 446 ft., brick, Lake Shore Blvd. $350,000.

O., Cleveland — Apartment — Atwater Realty Co., c/o H. G. Atwater, 13807 St. Clair Ave., having plans prepared by M. Weis, 617 Union Bldg., 3 story and basement, 36 x 120 ft., brick, St. Clair Ave. $150,000.

O., Cleveland—Apartment—H. A. Fishel, Society for Savings Bldg., had plans prepared by Best & Hoefler, B. F. Keith Bldg., 3 story, 52 x 109 ft., brick. $150,000.

O., Cleveland—Bank and Commercial—State Banking & Trust Co., East 55th St. and Bway., having plans prepared by E. McGeorge and A. G. Simon, 3024 Euclid Ave., 4 story, brick, steel and concrete, Hamm Ave. and Bway. $300,000.

O., Cleveland — Commercial — Hollenden Hotel Co., East 6th St. and Superior Ave., having preliminary plans prepared by Watson Co., 4614 Prospect Ave., remodeling 1 story, brick and steel, East 6th St. and Superior Ave. $150,000.

O., Lakewood (Cleveland, P. O.)—Apartment—Citizens Building & Constr. Co. c/o C. W. Winkler, 632 Linde St., Rocky River, plans brick and timber, Kenneth Court, here. $200,000. Private plans.

Ill., Chicago—Apartment—P. Zisken, c/o Dubin & Eisenberg, archts., 14 West Washington St., plans 3 story and basement, 100 x 178 ft., apartment, West End and Central Ave. $225,000.

Ill., Urbana—Library, Gymnasium and Hall—University of Illinois having preliminary plans prepared by J. M. White, 256 Administration Bldg., 3 story, 70 x 300 ft. library, 3 story, 190 x 300 ft. gymnasium and 3 story woman's hall, all brick, stone and rein.-con., on Campus, $750,000, $500,000 and $250,000 respectively. C. E. Platt, 101 Park Ave., New York City, associate archt.

Wis., Eau Claire—Theatre—Eau Claire Theatre Co., c/o H. Schwaber, secy., 717 South River St., having plans prepared by C. A. Pear Architectural Co., Truax Bldg., 1 and 2 story, 75 x 150 ft., brick, rein.-con. and steel, plain foundation. $150,000.

Wis., Janesville—Hotel—M. G. Jeffres, 14 West Milwaukee St., having plans prepared by Rowe, Dillards & Rowe, 127 North Dearborn St., Chicago, 6 story, 60 x 145 ft., brick, rein.-con. and steel addition plain foundation. $225,000.

Wis., Milwaukee—Church—St. Leo's Congregation, c/o P. Theisen, pastor, 2442 Locust St., plans 2 story, brick and tile, plain foundation, 24th and Locust Sts. $250,000. Engineer and architect not selected.

Wis., Superior — Hotel — Citizens Hotel Co., c/o H. G. Pickering, 205 Rogers Ruger Bldg., plans 7 story, hotel. $400,000.

Kan., Dodge City—Hospital—Sisters of St. Joseph having plans prepared by Schmidt & Co., 516 4th Natl. Bank Bldg., Wichita, 3 story and basement, rein.-con., brick, steel and hollow tile. $150,000.

Kan., Leavenworth—City Hall—City having plans prepared by Feth & Feth, archts., Leavenworth, 2 story and basement, 90 x 125 ft., brick, rein.-con. and stone. $200,000. Noted Sept. 27.

Kan., Sabetha—Hospital—Sisters of St. Agnes, Salina, having plans prepared by C. A. Smith, 109½ South Santa Fe St., Salina, and take bids early in January, 3 story and basement, 44 x 140 ft., rein.-con., brick and stone, here. $150,000.

Kan., Salina—Schools—Voted $225,000 bonds completion Theodore Roosevelt Junior High School and erection of another school. C. W. Shaver, 147½ Santa Fe St., archt. Noted Aug. 30.

Neb., Falls City—Courthouse—W. F. Germandt, archt., 1408 North 34th St., Omaha, soon takes bids 2 story and basement, 66 x 100 ft. rein.-con., brick, steel and terra cotta, for Richardson Co. $200,000.

Neb., Omaha—Church—St. Peters Parish, had plans prepared by J. Latenser & Son, 722 Peters Trust Bldg., and soon takes bids 2 story, 57 x 87 ft. brick and stone, 27th and Leavenworth Sts. $250,000.

Mo., St. Joseph—Schools—Dec. 11 to vote on $3,000,000 bonds new schools and additions. Noted April 5.

Tex., Corsicana—Hotel—G. A. McGregor, Kirby Bldg., Dallas, had plans prepared by Young & Young, Southwestern Life Bldg., Dallas, 5 story, 65 x 80 ft., brick, stone, steel and concrete, plain foundation, 11th and 4th Sts., here. $300,000.

Tex., Ft. Worth—Sanitarium—C. H. Harris, 1028 5th Ave., had plans prepared by O. H. Atkinson, 806 Taylor St., 3 story, brick, stone and concrete, plain foundation, 5th and Rosedale Sts. $250,000. Noted Sept. 13.

Tex., San Antonio—Hotel—S. L. Jeffers, 1 Bushnell Pl., having preliminary plans prepared by H. T. Phelps, 519 Hicks Bldg., 10 story, 100 x 140 ft., rein.-con., brick and stone, plain foundation, Ave. E and 3rd St. $400,000.

Tex., Slaton—School—Bd. Educ. having plans prepared by E. F. Rittenberry, Amarillo, 3 story, brick and concrete. $150,000.

Tex., Waco—Dormitory—Methodist Home Bd. Trustees, W. F. Barnett, mgr., having plans prepared by M. W. Scott, 412½ Franklin Ave., brick, Herring Ave. $150,000.

Okla., Bristow—High School—Election in December to vote on $150,000 bonds 3 story and basement, 140 x 180 ft. brick, plain foundation, 9th and Pecan Sts. Architect not selected.

Ore., Astoria—Store, Office and Apartment—C. F. Purcell, Seattle, Wash., plans 3 story and basement, 100 x 100 ft., 14th, 15th, Duane and Commercial Sts., here. $225,000. Architect not selected.

Ore., Portland—Temple—Masonic Temple Assn., Masonic Bldg., receiving sketches 100 x 100 ft. temple, Main, Madison, West Park and 10th Sts., $1,000,000.

Calif., Alhambra—Hotel and Store—Community Hotel Corp. had sketches made by W. L. Stoddard, 50 East 41st St., New York City, 2 and 3 story, community hotel and store, Garfield Ave., here. $300,000.

Calif., Long Beach — Church — Second Church of Christ Scientist, Markwell Bldg., plans fireproof church. $250,000.

Calif., Los Angeles—Apartment—J. Jacobuwitz, c/o R. L. Jones, archt., 311 South Western Ave., having plans prepared 4 story and basement, 50 x 160 ft. concrete and brick, Virgil Ave.

Calif., Los Angeles—Office and Store—Birch Co., 108 Larchmont Blvd., had preliminary plans prepared by Austin & Ashley, et al., Detwiler Bldg., 14 story, 145 x 160 ft., fireproof, Hill and 9th Sts.

Calif., Pomona—Manual Training, etc.—Pomona City High School Dist. had preliminary plans prepared by W. H. Weeks, 369 Pine St., San Francisco, and R. H. Orr, associated archt., Corporation Bldg., Los Angeles, for brick manual training building and gymnasium. $150,000.

BIDS DESIRED

Mass., Boston—School—Nov. 10, by F. J. Kneeland chn. Pub. Building Dept. 2 story and basement, 55 x 130 ft., rein.-con. and brick, wood pile foundation, Bluehill Ave., known as William Endicott Grammar School, $375,000. O'Connell & Shaw, 134 Newbury St., archts. Noted Feb. 1.

Mass., Roxbury (Boston P. O.)—School—Nov. 18, by F. J. Kneeland, chn. Pub. Building Dept., Boston, 2 story and basement, 80 x 240 ft., rein.-con. and brick, wood pile foundation, known as Phillips Brooks Grammar School. $500,000. J. Gray, 175 High St., Boston, archt. Noted Feb. 1.

Conn., Hartford—High School—Nov. 20, by Bd. Contract and Supply at office of Mayor, Municipal Bldg., constructing Morgan Gardner Bulkeley High School. E. T. Wiley and Frank Irving Cooper Corp., Amer. Industrial Bldg., archts. Noted Sept. 27.

Conn., New Haven—School—Nov. 21, by Com. on Buildings of Bd. Educ., 169 Church St., school, Pope St. and Townsend Ave. R. B. Hall, secy. Brown & Von Beren, Chamber of Commerce Bldg., archts. Noted May 24.

N. Y., Brooklyn—Administration, etc.—Dec. 4, by E. S. Walsh, comr. Canals & Waterways, Albany, administration building and oil house, Gowanus Bay, here, Contr. 234; adv. E. N.-R. Nov. 8.

N. Y., New York—Hotel—M. Gerschlesser, c/o Rouse & Goldstone, archts. and engrs., 512 5th Ave., will build 15 story, brick, steel and stone, plain foundation, West 44th St. $1,250,000. Work will be done by separate contracts under supervision of architect.

N. Y., Schenectady—Bank—Nov. 10, by Schenectady Trust Co., 3 story, 82 x 105 ft., steel, stone and terra cotta, plain founda-

Buildings (Continued)

tion, Main St. $200,000. L. R. Nichols, 125 Bway., archt.

N. Y., West Haverstraw—Solaria—Nov. 14, by G. Blagden, pres. Bd. Mgrs. New York State Orthopedic Hospital for Children, solaria at hospital, here. S. W. Jones, Albany, state archt.; adv. E. N.-R. Nov. 8. Former bids rejected. Noted Oct. 4.

Pa., Erie—Apartment—Nov. 10, by F. B. McBrier, pres. West 6th St. Apartment Co., 3 story, 125 x 125 ft., Chestnut St. $300,000. A. F. Janowitz, 811 Prospect Ave., Cleveland, O., archt.

Pa., Swissvale (Pittsburgh P. O.)—Church—Nov. 12, by A. F. Link, archt., North Craig St., Pittsburgh, 2 story and basemnt, stone and steel, here, for St. Anselms Congregation. $150,000.

Del., Newark—School—Nov. 28, by Bd. Educ. of Newark and Delaware School Auxiliary Assn., 4116 Du Pont Bldg., Wilmington, 2 and 3 story, 118 x 170 ft. W. H. Steel, pres. Bd. Educ.; adv. E. N.-R. Nov. 8.

W. Va., Huntington—School—Nov. 26, by Bd. Educ., constructing Lincoln High School, 3 story and basement, 146 x 230 ft., terra cotta, brick and steel. $200,000. R. M. Bates, Jr., 411 11th St., archt. Noted Oct. 25.

Ky., Louisville—Station and Office—Dec. 3, by Louisville R.R. Co., 314 West Jefferson St., 4 story, 76 x 490 ft. brick, 2nd and Liberty Sts. $1,250,000. Joseph & Joseph, Francis Bldg., archts. Noted Sept. 13.

O., Cleveland Heights (Warrensville P. O.)—Apartment—J. Narosny, 13407 3rd Ave., East Cleveland, taking bids 4 story, 41 x 190 ft., brick, 12479 Cedar Rd., here. $175,000. M. Weis, 617 Union Bldg., Cleveland, archt.

O., Dayton—Bank and Office—Nov. 20, by Third Natl. Bank, 4 story and basement, 120 x 187 ft., brick, stone and steel, Main St. $1,500,000. Schenck & Williams, Mutual Home Bldg., archts.

O., Lakewood (Cleveland P. O.)—High School—Nov. 24, by Bd. Educ., 2 story, 89 x 229 ft., brick, steel and concrete, Hilliard Rd. $425,000. Former bids rejected. C. W. Hopkinson, Rose Bldg., Cleveland, archt. Noted Nov. 1.

Mich., Detroit—Hotel—Bonnah & Chaffee, archts., 528 Farwell Bldg., taking bids and opens same about Nov. 15, 8 story and basement, 50 x 200 ft. rein.-con. and brick, plain foundation, Woodward Ave., for J. Barlum, 206 East Grand River Ave. Noted Oct. 25.

Mich., Grosse Pointe (Detroit, P. O.)—Church—Nov. 15, by W. E. N. Hunter, archt., 1436 Washington Blvd., Detroit, 3 story, 75 x 157 ft. rein.-con., brick and steel, plain foundation, for Grosse Pointe Presbyterian Church. $250,000. Noted Nov. 1.

Ill., Chicago—Memorial—Marshall & Fox, archts., 721 North Michigan Ave., receiving bids 3 story, fireproof, 44-48 East Erie St., for J. B. Murphy Memorial Assn., c/o archts. $500,000.

Minn., Virginia—School—Nov. 20 (extended date), by F. Johnson, chn. Bd. Educ., 2 story and basement, 60 x 115 ft., rein.-con. and brick, South Side. $150,000. C. W. Kelly, 505 Lonsdale Bldg., Duluth, archt. and engr. Noted Sept. 13.

Ariz., Tucson—Library—Nov. 26, by Lyman & Place, archts. and engrs., 76 North Stone Ave., 3 story and basement, 42 x 110 x 194 ft., brick, terra cotta, steel and rein.-con., on Campus, for Bd. Regents, Arizona University, here. $405,000.

Calif., Fresno—Bank and Office—R. L. Felchlin Co., archts., Patterson Bldg., receiving bids 15 story and baseemnt, fireproof, Mariposa and J Sts., for Pacific Southwest Trust and Savings Bank, Mariposa and J Sts. To exceed $750,000.

Calif., Los Angeles—Market and Loft—A. C. Martin, archt., Higgins Bldg., receiving bids 5 story and basement, rein.-con. and brick, Bway. near 7th St., for Desmond Store, 533 South Spring St., to exceed $250,000.

Calif., Los Angeles—Store, etc.—C. F. Plummer, archt., Story Bldg., receiving bids 3 story and basement, brick, 7th and Union Aves., for Youngs Market, 638 South Bway. To exceed $150,000. Noted May 3.

BIDS RECEIVED

N. Y., New York—High School—W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, Oct. 30, James Monroe High School, Boynton Ave. from East 172nd to East 173rd Sts., here, for Bd. Educ., 500 Park Ave., from T. A. Clarke Co., 122 Livingston St., Brooklyn, (A) $2,145,000, (B) $2,195,000. Noted Oct. 11.

O., Piqua—High Schools—Bd. Educ. Bennett Jr. High School, 2 story and basement, 61 x 187 ft., rein.-con. and brick, also Wilder Jr. High School, 2 story and basement, 76 x 234 ft., brick, stone and terra cotta, Walker and Gill Sts., from Green & Sawyer. $167,824 and $201,536 respectively. Noted Oct. 25.

WATERWAY—ILLINOIS

Following are lowest three bids opened by Dept. Pub. Wks. & Bldgs., Div. Waterways, Springfield, Sept. 19, for constructing Lockport Lock (exclusive of miter gates), (A) Greene & Sons Co., 705 Tower Bldg. (awarded contract); (B) M. E. White Co., 130 North Wells St.; (C) Byrne Bros. Constr. Co., 358 East 115th St. Contractors all of Chicago. The unit bids were as follows:

	A	B	C
Clearing (lump sum)	$8,750.00	$3,300.00	$3,200.00
Cofferdams, pumping, etc. (lump sum)	190,000.00	73,000.00	166,000.00
171,000 cu.yd. excavation	2.00	3.50	478,030.00
39,000 sq.ft. channeling	.50	1.00	1.27
12.3 M.ft. b.m. pine and fir timber	100.00	100.00	100.00
4.4 M.ft. b.m. white oak timber	200.00	200.00	200.00
1,564,000 lb. structural steel	.10	.105	.15
167,000 lb. steel castings	.17	.24	.30
72,000 lb. gray iron castings	.12	.18	.25
36,000 lb. steel forgings	.24	.18	.25
96,600 cu.yd. concrete	6.60	6.50	9.50
30,500 lb. metal reinforcement	.05	.55	.10
18 lin.ft. 30-in. vitrified pipe	5.00	7.00	5.00
48-30-in. vitrified pipe specials	16.00	25.00	20.00
58 lin.ft. 24-in. vitrified pipe	3.00	5.00	3.00
4-24-in. vitrified pipe specials	12.00	15.00	15.00
600 lin.ft. 18-in. vitrified pipe	2.70	2.50	1.60
29-18-in. vitrified pipe specials	8.00	8.00	10.00
170 lin.ft. 8-in. vitrified pipe and specials	1.00	1.00	2.00
1,770 lin.ft. 6-in. vitrified pipe and specials	.15	.75	1.20
120 lin.ft. 4-in. vitrified pipe and specials	.40	.50	.75
15,000 lb. 1, 2, 4½ and 6-in. W.S. pipe and railings	.15	.27	.50
12,800 lb. 6 and 8-in. c.i. pipe and specials	.07	.12	.10
6 valve sets for shuttle gate	390.00	825.00	800.00
3 6-in. quick oper. gate valves	40.00	55.00	60.00
3,850 lin.ft. 3-in. fiber conduit	.40	.30	.50
2 lift gate machinery	20,000.00	26,500.00	24,750.00
2-50-hp. electric motors	2,000.00	2,000.00	2,000.00
4 gate for culvert valves	2,000.00	2,300.00	3,500.00
Extended totals	$1,460,077	$1,643,249	$2,007,063

BULL RUN CONDUIT—PORTLAND, ORE.

Following are lowest three bids opened by city, Oct. 3, for constructing Bull Run Conduit, (A) Willamette Iron & Steel Works, Foot of Front St., N., (awarded contract for lock bar pipe); (B) J. H. Tillman Co., 622 Ry. Exch. Bldg., riveted steel pipe; (C) J. F. Shea, Henry Bldg., riveted steel pipe. The unit bids were as follows:

	A	B	C
36,200 lin.ft. 60-in. riveted steel pipe, ¼-in. plate	.....	$16.49	$15.25
12,300 lin.ft. 60-in. riveted steel pipe, ⅜-in. plate	.....	18.96	17.71
1,600 lin.ft. 60-in. riveted steel pipe, ½-in. plate	.....	22.34	20.46
2,700 lin.ft. 60-in. riveted steel pipe, ⅝-in. plate	.....	30.90	26.54
35,400 lin.ft. 52-in. riveted steel pipe, ¼-in. plate	.....	11.77	11.72
22,400 lin.ft. 52-in. riveted steel pipe, ⅜-in. plate	.....	14.18	13.60
21,800 lin.ft. 52-in. riveted steel pipe, ½-in. plate	.....	16.46	15.79
Alternate proposal for lock bar or hammer welded and annealed pipe			
49,840 lin.ft. 58-in. lock bar pipe, ¼-in. plate	$16.09	.....	.....
500 lin.ft. 58-in. lock bar pipe, ⅜-in. plate	18.52	.....	.....
1,000 lin.ft. 58-in. lock bar pipe, ½-in. plate	20.56	.....	.....
1,460 lin.ft. 58-in. t.r. butt strap, ½-in. plate	33.10	.....	.....
60,600 lin.ft. 50-in. lock bar pipe, ½-in. plate	12.54	.....	.....
19,000 lin.ft. 50-in. lock bar pipe, ⅝-in. plate	14.25	.....	.....
Items same for either			
12-6-in. air valves with 6-in. gate valves	323.73	330.00	292.00
10-6-in. air valves with 6-in. gate valves offset	343.35	340.00	292.00
6-4-in. air valves with 4-in. gate valves	189.66	200.00	160.00
7-4-in. air valves with 4-in. gate valves offset	209.28	210.00	160.00
35-6-in. blow offs with 6-in. gate valves	71.94	30.00	34.00
2,000 lin.ft. 6-in. class "B" B. & S. c.i. pipe	1.31	1.50	1.50
22,200 lb. steel trestle bents	.095	.10	.14
720 lin.ft. boxing for 60-in. diameter pipe	4.09	5.50	4.50
780 lin.ft. boxing for 52-in. diameter pipe	3.81	5.00	4.50
310 cu.yd. concrete masonry, class A	32.70	25.00	30.00
600 cu.yd. concrete masonry, class B	30.52	21.00	28.00
1 venturi meter with recorder for 60-in. pipe in place	5,668.00	4,200.00	5,400.00
1 venturi meter with recorder for 52-in. pipe in place	5,014.00	4,000.00	4,700.00
2 reinforced concrete meter houses complete	1,308.00	650.00	1,250.00
1 reinforced concrete addition to gate chamber No. 1	2,398.00	1,800.00	1,800.00
1 concrete inlet chamber at res. No. 1	14,170.00	12,000.00	11,000.00
1-48-in. x 72-in. sluice gate with weatherproof stand	2,679.50	1,800.00	2,650.00
1-60-in. gate valve with weatherproof stand	4,251.00	4,200.00	4,000.00
1-7-ft. traveling intake screen (placing only)	545.00	400.00	800.00
2-6-ft. traveling intake screen (placing only)	872.00	300.00	1,200.00
10,000 cu.yd. solid rock excavation (trench)	3.82	3.50	4.50
290,000 cu.yd. other excavated material and refilling pipe trenches	1.11	.94	1.18
13,500 cu.yd. gravel backfill	2.18	3.00	3.00
70,000 lin.ft. 6-in. diameter drain tile in place	.17	.26	.20
21,000 ft. B.M. creosoted lumber in place	59.95	70.00	60.00
53 acres clearing and grubbing	599.50	350.00	700.00
6,700 cu.yd. solid rock excavation (roadway)	2.18	2.40	2.25
74,500 cu.yd. other excavated material (roadway)	.82	.60	.85
718,000 ft. B.M. road plank in place	39.24	40.00	36.00
96,000 ft. B.M. timber for bridges and guard fences in place	52.32	55.00	56.00
1,044 lin.ft. 9-in. corrugated iron culvert in place	1.64	1.25	1.50
630 lin.ft. 12-in. corrugated iron culvert in place	1.96	1.60	1.80
180 lin.ft. 15-in. corrugated iron culvert in place	2.29	2.00	2.10
108 lin.ft. 18-in. corrugated iron culvert in place	3.27	2.75	3.00
54 lin.ft. 24-in. corrugated iron culvert in place	4.09	3.75	3.75
36 lin.ft. 30-in. corrugated iron culvert in place	6.75	6.50	6.20
27,000 lb. structural steel girders, Gresham, 30 ft. and 61 ft.	.0893	.10	.12
150,000 lb. structural steel (Sandy River Bridge)	.0893	.10	.125
81,000 lb. structural steel (Bull Run River Bridge)	.0893	.11	.13
4,000 lb. reinforcing steel bars in place	.0872	.07	.10
Extended totals	$2,571,404	$2,628,645	$2,647,161

O., Springfield—School—Bd. Educ., Oct. 29, 2 story and basement, 71 x 163 ft., rein.-con. and brick, from T. A. Graham, 1519 Clifton Ave., $142,821. Noted Oct. 25.

Calif., Sacramento—Theatre—Paramount Theatre, Inc., c/o L. F. Starks, archt., 1010½ 8th St., general contract rein.-con. and steel, K St., from Mathews Constr. Co., Forum Bldg., $224,000. Noted Oct. 18.

Buildings (Continued)

CONTRACTS AWARDED

R. I., Exeter—Administration, etc.—State School Bd., Providence, 3 story, 70 x 200 ft., brick and concrete addition, Exeter State School, to Hope Building Co., 87 Weybosset St., Providence, $142,000. Noted Sept. 20.

R. I., Providence—Armory—Comn. Armory of Mounted Commands, 1, 2 and 4 story, brick, plain foundation, North Main St., to E. Turgeon, 86 Weybossett St., $424,000. Archts. est. $380,000. Noted Oct. 11.

N. Y., Brooklyn — Apartment — Silco Realty Co., c/o Slee & Bryson, archts. and engrs., 154 Montague St., will build 6 story, brick, steel and stone, plain foundation, Clinton St., by day labor. $350,000.

N. Y., New York—Apartment—Dunnock Realty Co., Inc., c/o E. Roth, archt. and engr., 119 West 40th St., will build 10 story, brick, steel and stone, plain foundation, 325 West 45th St., by day labor. $500,000.

N. Y., New York—Apartment—Glick & Fein Building Corp., c/o D. S. Lang, archt. and engr., 110 West 34th St., will build 6 story, brick, steel and stone, plain foundation, 133rd St. and St. Nicholas Ave., by day labor. $400,000.

N. Y., New York—Apartment—H. J. Holding Co., c/o C. S. Clark, archt. and engr., 411 East Tremont Ave., will build 6 story, brick, steel and stone, plain foundation, 180th St. and Crotona Parkway, by day labor. $200,000.

N. Y., New York—Apartment—Hyman Realty Co., c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., will build 6 story, brick, steel and stone, plain foundation, East 144th St., by day labor. $300,000.

N. Y., New York—Apartment—B. London, c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., will build 5 story, brick, steel and stone, plain foundation, St. Nicholas Ave., by day labor. $500,000.

N. Y., New York—Apartment—Shirbar Realty Corp., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 6 story, 87 x 105 ft., brick, steel and stone, plain foundation, Ft. Washington Ave. and 178th St., by day labor. $250,000.

N. Y., New York—Apartment—Wallart Constr. Co., 2209 University Ave., will build 6 story, brick, steel and stone, plain foundation, University Ave., by day labor. $500,000. Margon & Glaser, 2804 3rd Ave., archts. and engrs.

N. Y., New York — Museum — Hispanic Society of America, Bway. and 156th St., 3 story, 29 x 200 ft., brick, steel and stone, plain foundation, 610 West 156th St., to Marc Eidlitz & Son, Inc., 41 East 42d St. Archts. est. $400,000.

N. Y., Patchogue—Bank—City Trust Co., brick, steel and stone, plain foundation, to Burke Bros. Constr. Co., 1476 Bway., New York. Archts. est. $150,000.

N. Y., Woodhaven — Theatre — Home Building & Constr. Co., 1401 Flatbush Ave., Brooklyn, brick, steel and stone, plain foundation, 96th St. and Jamaica Ave., here, to A. H. Schwartz, 1401 Flatbush Ave., Brooklyn. Archts. est. $600,000.

Pa., Beaver Falls—School—St. Marys Roman Catholic Congregation, 2 story and basement, 62 x 114 ft. with 19 x 41 ft. wing, to Cook-Anderson Co., 5th and Insurance Sts., Beaver. Archts. est. $150,000.

Pa., Greensburg—Dormitory—Seton Hill College, 5 story and basement, 35 x 108 ft., to Duquesne Constr. Co., Cypress and Aspen Sts., Pittsburgh. Archts. est. $200,000.

Pa., Phila.—Exchange—Bell Telephone Co., 17th and Arch Sts., 2 and 3 story and basement, 91 x 220 ft. rein.-con., brick and steel, plain foundation, 3808-3810 Chestnut St., to Irwin & Leighton, 12th and Cherry Sts., $500,000.

Pa., Phila.—Office—Sterling Realty Co., c/o L. Rothchild, archt., 215 South Broad St., 12 story and basement, 45 x 65 ft., rein.-con. and brick, plain foundation, 16th and St. James Sts., to Roberts & Roller, 1904 Sansom St., $285,000.

Pa., Pittsburgh—High School—Bd. Educ., Fulton Bldg., 4 story and basement, brick and stone addition, Ruth St., to A. and S. Wilson, 541 3rd Ave., $756,735. Noted July 26.

Pa., Pittsburgh—School—Bd. Educ., Fulton Bldg., general contract 2 story and basement, 85 x 167 ft., Boggs Ave., to H. L. Ley Constr. Co., Westinghouse Bldg., $147,023. Noted July 26.

Va., Richmond—Bank and Office—State and City Bank, general contract 4 story, 100 x 105 ft., concrete, tile and steel, brick and concrete foundation, 3d and Main Sts., to J. T. Wilson, Mutual Bldg. Archts. est. $1,000,000.

La., Shreveport—Theatre—E. Weil, archt., Whitney Central Bldg., New Orleans, 111 x 150 ft., brick, steel and stone, Louisiana Ave., to Stewart-McGehee Constr. Co., Florida Ave., Baton Rouge, $439,561, for Saenger Amusement Co., Shreveport. Noted Oct. 11.

O., Cleveland—Commercial and Office—Seidman Mortgage Co., Discount Bldg., 6 story, 43 x 132 ft., brick, steel and concrete, East 9th St. and Vincent Ave., to Parker Constr. Co., 1836 Euclid Ave. Archts. est. $300,000.

O., Cleveland—High School—Bd. Educ., East 6th St. and Rockwell Ave., 3 story, 40 room, brick, steel and concrete, West 46th St. and Hyde Ave., to Drummond-Miller Co., 7500 Euclid Ave. Archts. est. $800,000.

O., Portsmouth—Hotel—Hurth Hotel Co., 8 story and basement, 40 x 110 ft., brick, steel and stone, Chillicothe and 3rd Sts., to Taylor & Linn, Zanesville, $300,000.

O., Zanesville—High School—Bd. Educ., Theodore Roosevelt High School, 2 story and basement, 92 x 175 ft., Belmont St. and Newark Rd., to Dunzweiler Constr. Co., Frazeysburg Rd., $209,650.

Ill., Litchfield—High School—Bd. Educ., 2 story and basement, brick and rein.-con., to G. D. Tillman, Central Trust Bldg., Centralia. Archts. est. $150,000. Noted June 14.

Ill., Niles (R. F. D. Norwood Park, Chicago P. O.)—Dormitory—E. Brielmaier & Sons Co., archts., 43 2Bway., Milwaukee, Wis., 3 story and basement, brick, tile and concrete, here, to Van Etten Bros., 11016 South Michigan Ave., Chicago, for St. Hedwig Industrial School. Archts. est. $300,000. Noted Oct. 11.

Ill., Springfield—Club—Knights of Columbus, 231½ South 6th St., 3 story and basement, 95 x 163 ft., rein.-con., brick and steel, 6th St., general contract to Murch Bros. Constr. Co., Railway Exch. Bldg., St. Louis, Mo. Archts. est. $300,000.

Wis., Milwaukee—Exchange—Wisconsin Telephone Co., 418 Bway., 5 additional stories, 120 x 120 ft., brick and concrete, to W. Winter & Son, 1025 2nd St. Archts. est. $500,000. Noted Apr. 26.

Ia., Marion—School—Bd. Educ., general contract 3 story and basement, 65 x 158 ft., rein.-con., brick, tile and stone, to Madsen & Peterson, 646 Builders Exch., Minneapolis, Minn., $91,400. Noted Sept. 27.

Mo., Nevada—High School—C. A. Smith, archt., 602 Finance Bldg., Kansas City, 3 story and basement, 64 x 120 ft., rein.-con. and brick, to Dean & Hancock, Sedalia, for Ed. Educ. $160,000. Noted Oct. 4.

Ark., Hot Springs — Hotel — Arlington Hotel Co., general contract 11 story, 200 x 200 ft., brick, stucco, tile and rein.-con., Central Ave., to Ault & Burden, Little Rock, $2,100,000. Noted Sept. 27.

Tex., San Antonio—Apartment—S. J. Jeffers, 1 Bushnell Pl., will build 6 story, 90 x 160 ft., rein.-con., brick and stone, plain foundation, Ave. E and 3rd St., by day labor. $200,000. M. L. Diver, Calcasieu Bldg., engr. H. T. Phelps, Hicks Bldg., archt. Noted Oct. 11.

Okla., Oklahoma City — Schools — Bd. Educ., 400 North Walnut St., 2 story and basement, 100 x 140 ft., brick and steel addition, 18th and Ellison Sts., general contract to W. S. Bellows Constr. Co., Hersk Bldg., $179,680, 3 story, 180 x 237 ft., brick and steel, 33rd and Lee Sts., general contract to A. F. Stewart Constr. Co., First Natl. Bank Bldg., $305,861, 3 story, 180 x 237 ft., brick and steel, 9th and Western Sts., general contract to C. M. Dunning, 322 North Robinson St., $319,450; heating contracts to A. F. Binns Plumbing Co., 806 West Grand St., $33,043, $57,361 and $57,361 respectively.

Calif., Hollywood—Apartment—G. W. Cowan et al, c/o Curlett & Beelman, archts., Union Bank Bldg., Los Angeles, 14 story and basement, rein.-con., North Sycamore Ave., to Hennessy Bros., Bank of Italy Bldg., Los Angeles, percentage basis. Archts. est. $1,000,000.

Calif., Oakland—Store, Loft and Dance Hall—M. F. Smith, c/o Schirmer-Bugbee, archts., Thayer Bldg., 3 story and basement, rein.-con., to Schuler & McDonald, 308 12th St., $175,300.

Calif., Santa Rosa—Lodge and Store—Santa Rosa Lodge of Elks, 3 story, rein.-con. and steel, A St., to A. M. Hildebrand, 406 4th St., $250,000. Noted Sept. 6.

Federal Government Work

PROPOSED WORK

N. Y., Dunkirk—Superstructure—U. S. Engineer, Buffalo, rejected bids stone superstructure on breakwater, here. Noted Oct. 18.

Ala., Mobile—Lumber—U. S. Engineer, Mobile, plans to purchase about 150,000 ft. yellow pine for work on Warrior River.

Ky., Addison—Lock Gates—U. S. Engineer, P. O. Box 72, Louisville, plans metering lock gates at Dam 45, here.

Tex., Galveston—Dredging—U. S. Engineer rejected bids dredging in Trinity River. Noted Aug. 30.

BIDS DESIRED

N. Y., Staten Island—Jetty—Nov. 3, at office Constructing Quartermaster, 39 Whitehall St., New York, stone jetty, Miller Field, here. Former bids rejected. Noted Oct. 4.

W. Va., Huntington—Quarterboat—Nov. 23 at office U. S. Engineer, one 5 x 26 x 80 ft. steel quarterboat.

Fla., Jacksonville—Catamarans—Nov. 28 at office U. S. Engineer, pontoon catamarans for Dredge Major J. C. Mallery; adv. E. N.-R., Nov. 8.

Ala., Mobile—Lumber—U. S. Engineer, Mobile, taking bids and opens same about Nov. 12, 680,000 ft. b.m. yellow creosoted pine.

Ala., Montgomery—Towboat—Dec. 10, at office U. S. Engineer, one 134 ft. steel hull stern wheel towboat; adv. E. N.-R. Nov. 8.

La., New Orleans—Barge and Hull—Dec. 3, at office U. S. Engineer, 329 Custom House, steel oil barge and steel hull for derrick boat; adv. E. N.-R. Nov. 8.

Mo., Harrisonville—Post Office—Nov. 30, by Treas. Dept., Wash., D. C., Post Office building, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Nov. 8.

Ark., Marianna—Post Office—Dec. 5, by Treas. Dept., Wash., D. C., constructing U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Nov. 8.

Porto Rico, San Juan—Quarters—Spec. 4909—Nov. 28, by Bureau Yards & Docks, Navy Dept., Wash., D. C., double quarters and auxiliary building, National Radio Station, here. Noted Sept. 20.

BIDS RECEIVED

Ill., Rock Island—Discharge Pontoons—U. S. Engineer, Rock Island, furnishing twenty 3 x 14 x 38 ft., steel discharge pontoons, from Dubuque Boat and Boiler Wks., Dubuque, Ia., $44,840. Noted Sept. 27.

Wis., Milwaukee—Steel Barge, etc.—U. S. Engineer, constructing steel barge and installing steel derrick, from Manitowoc Ship Building Co., 16th St. and River, Manitowoc, $103,250. Noted Oct. 25.

CONTRACTS AWARDED

Conn., Bridgeport—Dredging—U. S. Engineer, Providence, R. I., dredging 348,000 cu.yd. in Harbor, here, to Bay State Dredging and Contg. Co., 62 Condor St., East Boston (Boston P. O.), Mass., $80,360. Noted Nov. 1.

Md., Annapolis—Water Supply Improvements—Spec. 4890—Bureau Yards & Docks, Navy Dept., Wash., D. C., improvements to water supply at high power radio station, here, to A. Pope, 4722 15th St., N. W., $19,750 (120 days). Noted Oct. 25.

O., Cincinnati—Pontoons, etc.—U. S. Engineer, Cincinnati, furnishing 6 steel pontoons and riveted steel pipe, to Nashville Bridge Co., foot of Shelby St., Nashville, Tenn., $18,740. Noted Sept. 20.

Tex., San Antonio—Floors and Runways—Constructing Quartermaster, Ft. Sam Houston, concrete floors and runways at air intermediate depot, Kelly Field 1, here, to F. A. Wilson, San Antonio, Tex., $8,000. Noted Oct. 11.

Calif., Presidio (San Francisco P. O.)—Pump, etc.—Constructing Quartermaster, Fort Mason, San Francisco, 20 in. booster pump and motor f.o.b. Rio Vista, and addition to pump house, here, to Maine Iron Wks., 16th and Daggett Sts., San Francisco, $9,685. Noted Nov. 1.

Federal Government Work (Continued)

California—Sheet Steel—Bureau Supplies & Accounts, Navy Dept., Wash., D. C., furnishing 29,990 lb. soft sheet steel for Navy Yards, at Mare Island and San Diego, here, to Hollbrook, Merrill & Stetson, 665 6th St., San Francisco, $12,019 (60 days).

Unclassified

PROPOSED WORK

Grain Elevator—Buffalo, N. Y.—W. E. Kreiner, 652 Elk St., plans grain elevator, concrete, $30,000.

Athletic Field and Bulkhead, etc.—Hightstown, N. J.—See "Buildings."

Swimming Pool—Bluefield, W. Va.—See "Buildings."

Levee — New Orleans, La. — Bd. Levee Comrs., New Orleans Court Bldg., soon takes bids completing Couret Stanton Levee, 151,000 cu.yd. F. C. Hyme, pres.

Terminal—Ashland, Ky.—American Rolling Mill Co. plans river and rail freight terminal along Ohio River, to exceed $25,000.

White Way—Louisville, Ky.—Bd. Pub. Wks., City Hall, plans "White Way" system on 4th and Market Sts., to exceed $25,000.

Street Lighting—Cuba City, Wis.—Plans street lighting system. $25,000. W. Brewer, clk. Engineer not selected.

Transmission Line—Texas—Western Public Service Co., Navasota, making survey transmission lines from Hempstead to Anderson, etc. $75,000. P. Freeman, supt.

Pipe Lines—Electra, Tex.—Electra Gas Co., c/o R. Y. Smith, had plans prepared pipe lines. $45,000.

Stadium—Waco, Tex.—Dec. 18, to vote on $60,000 bonds for stadium and athletic field, for Bd. Educ. V. C. Koch, city engr. Noted July 12.

Levee — Waxahachie, Tex. — Ellis Co. Levee Impvt. Dist. 2, voted $40,000 bonds, levee construction Sand Lake. T. C. Forest, Waxahachie, engr.

Drydocks and Slips—Los Angeles, Calif.—Bethlehem Shipbuilding Corporation, H. W. Hellman Bldg., plans drydocks and slips. $1,250,000.

Levees, etc.—Ontario, Calif.—San Antonio Storm Water Dist. plans election to vote on $40,000 bonds for levees, embankments, etc.

Grade Elimination—San Jose, Calif.—Defeated $100,000 bonds for grade elimination over Southern Pacific R.R. tracks. Noted Oct. 18.

Breakwater—St. John, N. B.—Dept. Pub. Wks., Ottawa, Ont., soon takes bids extending breakwater 1,490 ft. to Patridge Island, in St. John Harbor, 380,000 tons rock for random stone core and 225,000 tons rock for cover stones. A. Gray, St. John, engr.

Drilling—Alliston, Ont.—Henderson Exploration Co. plans to drill for oil and gas in Tecumseh Twp. $50,000.

Grain Elevator — Port Arthur, Ont. — Gilespie Grain Elevator Co. soon takes bids 500,000 bu. grain elevator.

Grain Elevator — Port Arthur, Ont. — Grain Growers Elevator Co., Ltd., plans 1,000,000 bu. grain elevator.

Electric Power Supply—Wiarton, Ont.—Council asked Hydro Power Comn. to submit estimates of cost for developing electric power from Sauble River.

BIDS DESIRED

Heating and Ventilating Apparatus, etc.—New York, N. Y.—Nov. 12, by Superintendent Bd. Educ., 500 Park Ave., heating, ventilating and temperature regulation apparatus in P. S. 6, Tremont Ave., and P. S. 123, Jerome Ave., Bronx Boro. W. H. Gompert, Flatbush Ave. extension and Concord St., Brooklyn, archt. and engr.

Signal Tower—New York, N. Y.—Nov. 9, by Transit Comn., 49 Lafayette St., signal tower in 239th St. Yard of White Plains Rd. Rapid Transit R.R., Route 18, Sect. 2, Bronx Boro, Agreement "CU."

Heating, Ventilating, Plumbing, etc.—Phila., Pa.—Nov. 21, by F. H. Caven, dir. pub. wks., 216 City Hall, and Bd. Trustees Free Library of Phila., heating, ventilating, plumbing, etc. in free library building. H. Trumbauer, 406 Land Title Bldg., archt.; adv. E. N.-R. Nov. 8.

Levee—Clarksdale, Miss.—Nov. 13, by Yazoo Mississippi Delta Levee Comrs., enlarging 5 mi. old Ward Lake Levee, incl. 75,000 cu.yd. banquette, 10,000 cu.yd. topping. W. L. Head, engr. Noted Oct. 25.

Tunnel—Oregon—See "Railways."

BIDS RECEIVED

Column Foundations, etc.—Long Island City, N. Y.—Transit Comn., 49 Lafayette St., New York, Nov. 2, column foundations for part of Rapid Transit R.R. Flushing Route, from Phoenix Constr. Co., 41 Park Row, New York, $140,000, structural steel, from Jobson-Gifford Co., 30 East 42nd St., New York, $442,239. Noted Oct. 25.

Relocating Entrance, etc. — New York, N. Y.—Transit Comn., 49 Lafayette St., Nov. 2, relocating entrances to 157th St. station of Manhattan-Bronx Rapid Transit R.R., Agreement "CR," from J. Riches, 23 Willow Pl., Brooklyn, $51,912; frogs, switches and tracks at 180th St. Yard, Route 18, from McElraey & Kerwin, $15,285. Noted Oct. 25.

Subway—San Francisco, Calif.—State Bd. Harbor Comrs., Ferry Bldg., subway under Ferry Loop at foot of Market St., here, from Tibbitts-Pacific Co., 16 California St., $238,700. Noted Oct. 11.

CONTRACTS AWARDED

Station Finish—Brooklyn, N. Y.—Transit Comn., 49 Lafayette Ave., New York, station finish work for part of Bway.-4th Ave. Rapid Transit R.R. in Willoughby St. between Lawrence and Bridge Sts., here, to Station Finish Corp., 7 East 42nd St., New York, $51,000. Noted Nov. 1.

Culvert—Asbury Park, N. J. — Neptune Twp., 1,600 lin.ft. rein.-con. culvert, near here, to Seaman & Letzkus, Stone Harbor, $35,672.

Foundation—Blairsville, Pa.—Natl. Plate Glass Co., foundation, excavation and track laying for 190 x 300 x 500 ft. plant addition, here, to J. F. Casey Co., Union Arcade, Pittsburgh. Total cost $2,000,000.

Tunnel—Phila., Pa.—Comrs. Fairmount Park, City Hall, tunnel between 23rd St. and Spring Garden Bridge, to A. J. O'Neill Co. Weightman Bldg., $166,000. Noted Oct. 25.

Wall and Dike—Shreveport, La.—Constructing 1,000 ft. sheet pile toe wall, 24 ft. deep, and 2,200 ft. pile dike, 55 ft. deep, willow fascine, to A. W. Farney, Kansas City, Mo., $48.50 per lin.ft.

Coaling Station—Madison, Wis.—Chicago & Northwestern Ry., c/o B. A. Kulp, div. engr., 201 Blair St., 200 ton mechanical coaling station, brick, rein.-con. and steel, to Ogle Constr. Co., 28 East Jackson Blvd., Chicago. This corrects report Oct. 18 issue.

Docks—Two Harbors, Minn.—Duluth & Iron Range R.R., Duluth, will replace present wooden Dock 6 with steel structure, and build steel approach to same; also replace wooden pockets on Dock 1 with concrete slabs, here. $400,000. Work will be done by day labor. W. A. Clark, ch. engr.

Gas Distribution System—Magnolia Park, Tex.—See "Industrial Works."

Cement Lining—Porterville, Calif.—South Tule Irrigation Dist., cement lining approximately 10 mi. ditches, to Carlson Bros., Turlock, approximately $48,000.

Arena—Port Arthur, Ont.—Port Arthur Arena Co., 1 and 2 story, rein.-con., brick and steel, arena, plain foundation, Machar Ave., to Carter-Halls-Aldinger Co., Union Bank Bld., Winnipeg, Man. $150,000.

INTAKE—NEW BEDFORD, MASS.

Following are lowest three bids opened by Water Bd., Oct. 5, for constructing intake pipe and accessories at Little Quittacas Pond. (A) R. H. Beattie, Buffington Bldg., Fall River, (awarded contract); (B) Merritt, Chapman & Scott Corp., 17 Battery Pl., New York; (C) New Bedford Boiler & Machine Co., 42 Front St. The contract for furnishing the pipe, etc., for this project (1,240 lin.ft.@$18; 145 gaskets@$4.50; 100 sets of tile bolts@$4) was awarded to the Lock Joint Pipe Co., 9 Rutledge Ave., Ampere, N. J. The unit bids were as follows:

	A	B	C
400 yd. earth excavation above elevation 45.0	$11.20	$5.95	$4.00
240 yd. earth excavation below elevation 45.0	11.20	15.30	6.00
60 yd. rock excavation	39.40	20.00	24.00
80 lin.ft. laying 60 in. pre-cast concrete pipe	6.00	16.40	17.00
100 cu.yd. earth excavation for screen chamber above elevation 45.0	7.05	5.10	6.50
280 cu.yd. earth excavation for screen chamber below elevation 45.0	7.05	11.10	7.50
320 cu.yd. earth excavation for intake tower	17.40	12.40	13.50
300 cu.yd. dredging around intake tower	12.95	2.30	20.00
80 cu.yd. rock excavation	39.40	22.00	25.00
1,155 lin.ft. laying 60 in. pre-cast pipe	83.50	84.30	79.25
800 cu.yd. concrete masonry in screen chamber and intake tower	19.70	23.00	27.20
1,200 bbl. portland cement used in screen chamber and intake tower sub-structures	4.55	5.00	3.75
23,000 lb. reinforcing steel	.10½	.08	.06
1,700 lin.ft. intake tower foundation piles	1.26	.88	1.10
Screen chamber superstructure (lump sum)	5,500.00	9,800.00	14,516.00
Intake tower superstructure (lump sum)	3,700.00	8,000.00	13,200.00
150 cu.yd. retaining wall masonry	28.40	25.80	26.50
Furnishing and placing miscellaneous iron work, wood floor grills, etc., and for placing gates, furnished by city (lump sum)	2,600.00	2,940.00	2,200.00
Extended totals	$187,040	$191,685	$199,217

ROAD WORK—KENTUCKY

Following are lowest three bids opened by State Highway Comn., Frankfort, Sept. 26, for improving 6.502 mi. Mt. Sterling-Owingsville Rd., Montgomery Co., (A) Gradison Constr. Co., 701 1st Natl. Bank Bldg., Cincinnati, O.; (B) Metzel, O'Hearn, Vastine & Lewin, Covington; (C) J. A. Kreis, Knoxville, Tenn. The unit bids were as follows:

	A	B	C
1 acre clearing and grubbing	$50.00	$100.00	$100.00
524 trees and stumps	3.00	5.00	5.00
45,297 cu.yd. earth excavation	.50	.58	.50
984 cu.yd. borrow excavation	1.00	.60	.50
133 cu.yd. structural excavation	1.00	1.50	1.00
25,674 sq.yd. overhaul	.05	.05	.03
14,400 sq.yd. scarifying and reshaping	.05	.05	.10
1,326 ft. concrete curb and gutter	.50	1.27	1.40
257 cu.yd. class A concrete	14.00	24.00	26.00
8,700 lb. reinforcement	.06	.07	.07
1 rural catch basin	50.00	60.00	50.00
276 ft. 12 in. culvert metal pipe	1.50	2.50	1.40
1,000 cu.yd. rock excavation	1.25	2.50	1.40
69,188 sq.yd. rock asphalt	1.00	1.03	1.20
23,221 tons crushed limestone			3.60
69,188 sq.yd. 6 in. concrete base	2.15	2.18	2.07
69,188 sq.yd. reinforced concrete	2.65	2.69	2.94
938 ft. 18 in. vitrified pipe	1.75	2.25	1.80
172 ft. 24 in. vitrified pipe	2.25	3.00	3.40
103 cu.yd. encased concrete	12.00	20.00	24.00
938 ft. 18 in. concrete pipe	2.50	3.00	3.60
172 ft. 24 in. concrete pipe	3.50	4.00	5.00
Extended totals rock asphalt concrete base vitrified pipe	$251,283	$266,326	$265,605
Extended totals rock asphalt concrete base concrete pipe	250,968	265,146	265,102
Extended totals reinforced-concrete pavement vitrified pipe	220,504	234,278	247,351
Extended totals reinforced-concrete pavement concrete vitrified pipe	220,189	233,098	246,848

Equipment and Materials

See p. 783, "From the Manufacturer's Point of View."

OFFICIAL PROPOSALS

OFFICIAL PROPOSALS

Bids: Nov. 19.

Bridge and Bulkhead Construction

Clearwater, Fla.

Sealed proposals will be received by the Board of County Commissioners of Pinellas County, at the Courthouse at Clearwater, Florida, up until 10 o'clock a.m., Monday, November 19th, 1923, at which time they will be opened and read publicly for the furnishing of the necessary materials, equipment, tools and labor for the construction of one 8 x 4-foot concrete box culvert, concrete slab and combination concrete curb and gutter, 1,500 lineal feet of creosoted timber bulkheads.

The work to be done includes the following approximate quantities:

84 M. F. B. M. Creosoted bulkhead timber.
2,500 lineal feet Creosoted timber piles.
290 square yards 6"-8"-6" Reinforced concrete slab.
258 lineal feet concrete curb and gutter.
258 lineal feet concrete guard rail.
46 cubic yards class "A" concrete.
4,570 pounds reinforcing steel.

All complete in place according to plans and specifications on file in the County Engineer's office, Clearwater, Florida.

Proposals will be considered on the lump sum basis for structures complete in place.

Plans and specifications may be secured from the County Engineer, upon payment of five dollars ($5.00), which will be refunded upon return of said plans and specifications in good condition within fifteen (15) days from the date of opening proposals.

All proposals shall be accompanied by either a certified check on a Pinellas County bank, drawn to the order of Pinellas County, E. H. Beckett, Chairman, in the sum of three per cent (3 per cent) of the amount of the proposal accompanied by same up to fifty thousand (50,000) dollars, which is the maximum amount required to cover proposals for the entire work, or a Bidder's Bond executed by a resident Agent now doing business in Pinellas County, representing a Surety Company authorized to do business in the State of Florida, and otherwise acceptable to the County. Such bidder's bond shall be in the sum of five per cent (5 per cent) of the total amount of the proposal accompanied by the same.

A construction bond in the amount of fifty per cent (50 per cent) of the amount of the contract with a Surety Company complying with all the requirements above noted will be required.

The County reserves the right to select the type of structure and to reject any or all bids.

Board of County Commissioners, Pinellas County, Florida.

E. H. BECKETT,
Chairman.
C. E. BURLESON,
County Engineer.

Bids: Nov. 19.

Road Construction

Clearwater, Fla.

Sealed proposals will be received by the Board of County Commissioners of Pinellas County at the Courthouse at Clearwater, Florida, up until 10 o'clock a.m., Monday, November 19th, 1923, at which time they will be opened and read publicly, for the furnishing of the necessary materials, equipment, tools and labor for the construction of certain roads, all as herein referred to.

The work to be done shall include the construction of a paving surface—with all incidental work preliminary thereto—of vitrified brick with bituminous filler, or Asphalt Block with Asphalt filler, or sheet asphalt, or bituminous macadam penetration method, all on a compacted limerock base, with concrete curb; or Portland cement concrete pavement, as alternate types of construction on roads number 1, 2, 3, 4, 6, 7 and 8; and for the construction of re-laid vitrified brick surface with bituminous filler and double bituminous surface-treated lime rock shoulders on road number 5; all as indicated and described in the plans and specifications for the work.

The completed work will include approximately 250,000 square yards of re-laid vitrified brick surface with asphalt filler and approximately 550,000 square yards of new pavement surface of the alternate types above designated; together with all clearing, grubbing, grading, drainage structures, rock base, curb and other items appurtenant to the completed work.

The roads to be improved and constructed are divided in the following groups.

Group 1—Section 1 of road 1 and sections 1 and 2 of road 4.

Group 2—Section 2 of road 1 and roads 2-3 and 8.

Group 3—Roads 5-6 and 7.

Proposals will be considered only on the following basis; on the combined projects as a whole, or on the combined projects in any one group.

Bidders submitting proposals on any road in a single group must also bid on all other roads in that group.

Bids will also be considered on the combined projects as a whole or on any group as a whole on the lump sum basis, and the County reserves the right to award each contract on either a lump sum or unit price basis as it may consider to its best interest.

All items necessary for the completion of any road in connection with the type of wearing surface must be bid upon, and if not, same shall be sufficient cause to reject the proposals.

All work done and materials furnished shall be in accordance with the provisions of the plans and specifications therefor on file in the office of the County Clerk and of the County Engineer, Courthouse building, Clearwater, Florida.

Plans and specifications may be secured from the County Engineer upon payment of ten dollars ($10.00), which will be refunded upon return of said plans and specifications in good condition within fifteen days from the date of opening proposals.

All proposals shall be accompanied by either a certified check on a Pinellas County bank, drawn to the order of Pinellas County, E. H. Beckett, Chairman, in the sum of three per cent (3 per cent) of the amount of the proposal accompanied by same up to fifty thousand ($50,000) dollars, which is the maximum amount required to cover proposals for the entire work, or a Bidder's Bond executed by a resident Agent now doing business in Pinellas County, representing a Surety Company authorized to do business in the State of Florida, and otherwise acceptable to the County. Such bidder's bond shall be in the sum of five per cent (5 per cent) of the total amount of the proposal accompanied by the same.

A construction bond in the amount of fifty per cent (50 per cent) of the amount of the contract with a Surety Company complying with all the requirements above noted will be required.

The County reserves the right to select the type of pavement and to reject any or all bids.

Board of County Commissioners, Pinellas County, Florida.

E. H. BECKETT,
Chairman.
C. E. BURLESON,
County Engineer.

Bids: Nov. 27.

Bridge Work

STATE OF NEW JERSEY
STATE HIGHWAY COMMISSION

Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commission of New Jersey for the following:

For 15' widening of seven 85' arch spans, two 65' deck plate girder spans and one 60' bascule span including all foundations, changes to approaches for a distance of 140' on the west side and 550' on the east side including drainage, paving, curbing, walks, retaining walls together with the relocation of telephone, gas sewer lines and trolley tracks over Raritan River, M. P. 31.4, Route No. 1, Section No. 13, in the municipalities of New Brunswick and Highland Park, in the County of Middlesex.

Bids will be received at the Assembly Chamber, State House, Trenton, New Jersey, on Tuesday, November 27th, 1923, at 12:00 Noon, Standard Time, and opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of John L. Vogel, Bridge Engineer, 772 Broad Street, Newark, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on a deposit of Ten Dollars ($10.00) upon application to Mr. John L. Vogel, Bridge Engineer, 772 Broad Street, Newark, New Jersey. Bids must be made on the standard proposal form in the manner designated therein and as required by the specifications for this work, same to be enclosed in sealed special addressed envelopes, bearing the name and address of the bidder and the work bid upon on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that the said certified check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelope will be furnished on application to Mr. John L. Vogel, Bridge Engineer, 772 Broad Street, Newark, New Jersey. Bids not enclosed in special addressed envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of the said specifications conditioned for the faithful performance of the provisions of the contract and specifications.

By order of the State Highway Commission.

A. LEE GROVER,
Chief Clerk.

Bids: Dec. 28.

Governor's Mansion

AT
KANAWHA, DUFFY AND VIRGINIA STREETS

Charleston, W. Va.

Sealed bids will be received by the State Board of Control at its office in Charleston, W. Va., until 2:00 p.m., Friday, December 28, 1923, for the furnishing of all labor and materials of every kind necessary in the completion of the building described below, according to the plans and specifications of Walter F. Martens, Architect, Charleston, W. Va.

The building is to be 73' 6" x 81' 2" with a service wing 58' x 17', and with additional areas for porches; semi-fireproof construction; two stories high, with half basement and attic; walls brick, hollow tile; exterior walls faced with Colonial Red Brick; Vermont Marble and Indiana Limestone trim; slate roofing; built-up roofing on decks; structural steel and steel lumber; tile floor in halls, baths, toilets and porches, oak floors elsewhere; wood stairs on steel frames; trim Birch, Oak and Poplar; metal lath; Gypsum and cement plaster; wood sash, frames and doors; electric wiring, conduit system; inter-communicating telephone system; plumbing; vapor steam heating system; incinerator; vacuum cleaner.

Plans, specifications and blank form for bids will be mailed by the State Board of Control, when request is accompanied with check for $25.00, which amount will be *refunded only on receipt of bona-fide bid* on or before the time named above, and the return of the plans.

Bids to be accompanied with certified check payable to the State Board of Control for an amount equal to 1% of the bid, as guarantee of good faith.

STATE BOARD OF CONTROL
By JAMES S. LAKIN, Pres.,
Charleston, Kanawha County, W. Va.

Bids: Dec. 4.

Three Dragline Machines

Greenville, Miss.

Proposals will be received by the Board of Drainage Commissioners of Washington County, Miss., at their office in Greenville, Miss., until eleven o'clock a.m., on Tuesday, December 4, 1923, for the furnishing of three dragline machines equipped with internal combustion engines and mounted on caterpillars.

Further information will be furnished upon request.

O. C. KULICKA,
Chief Engineer.